

The Future of BC's Forests – A Global Context

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UBC Faculty of Forestry
Sustainable Business Management Lab

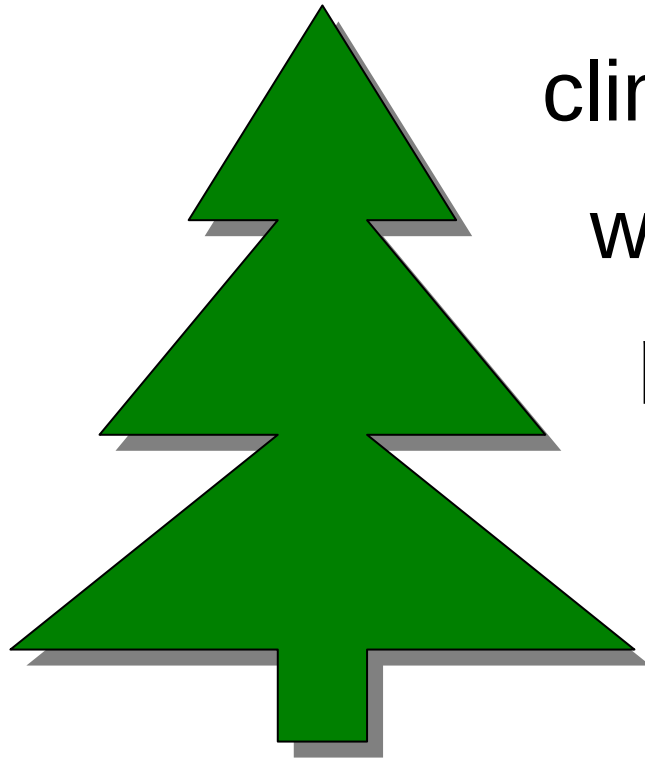


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Symposium Objectives – Ecological Change Agents



climate change

wildfire

pathogen attacks

insect infestation

other change agents

Symposium Objectives – Current Forest Management

What is our strategic vision for public forests in BC?

Presentation to The Future Forest Ecosystems of BC Symposium, Prince George, BC
(December 2005)



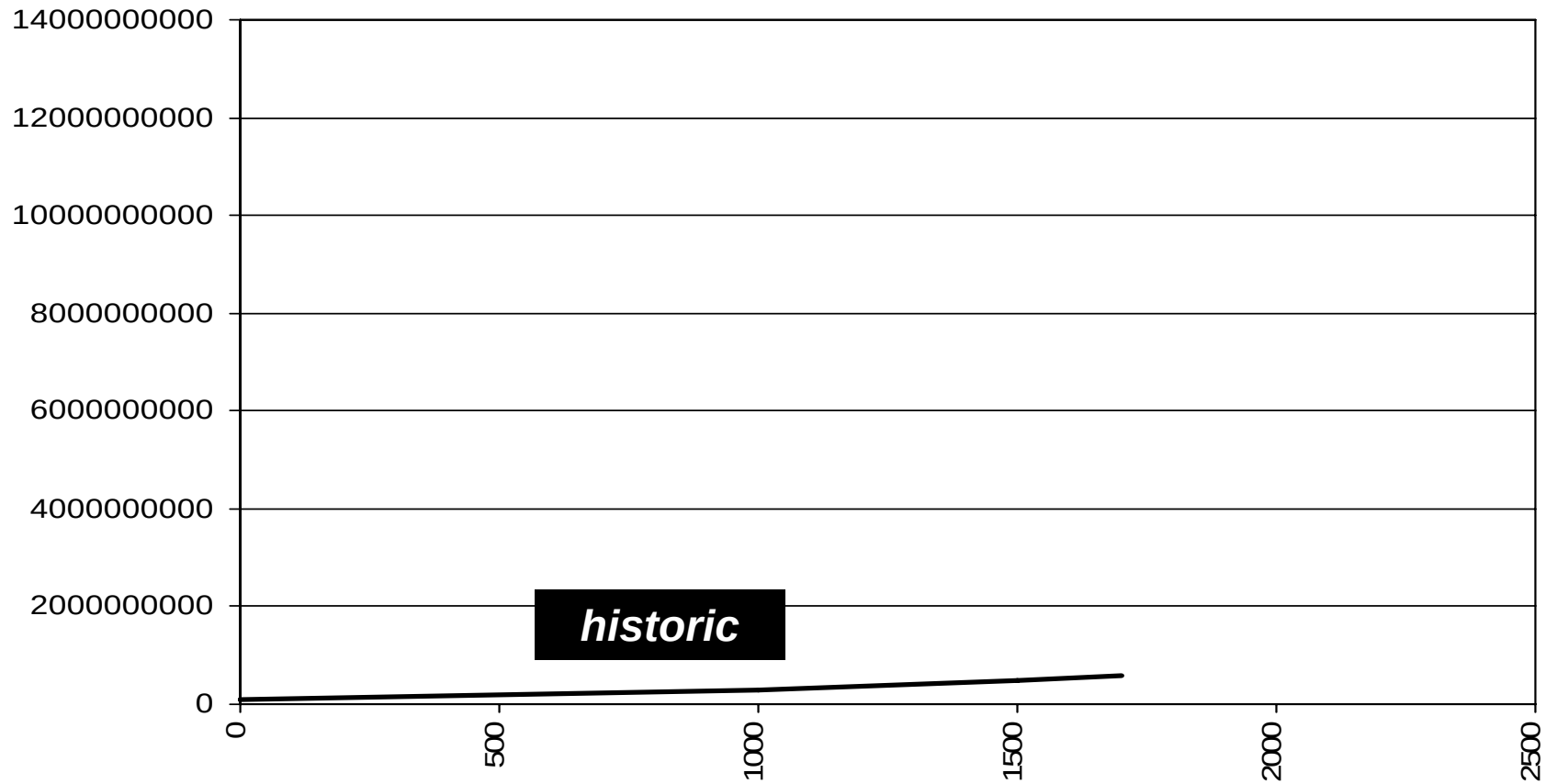
Outline

- the big picture
 - global population (energy, globalization, consumption)
 - sustainability
 - current issues
 - predictions for the future of forestry in BC
 - BC forestry:
 - the current paradigm
 - a path forward
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The Big Picture – Global Population

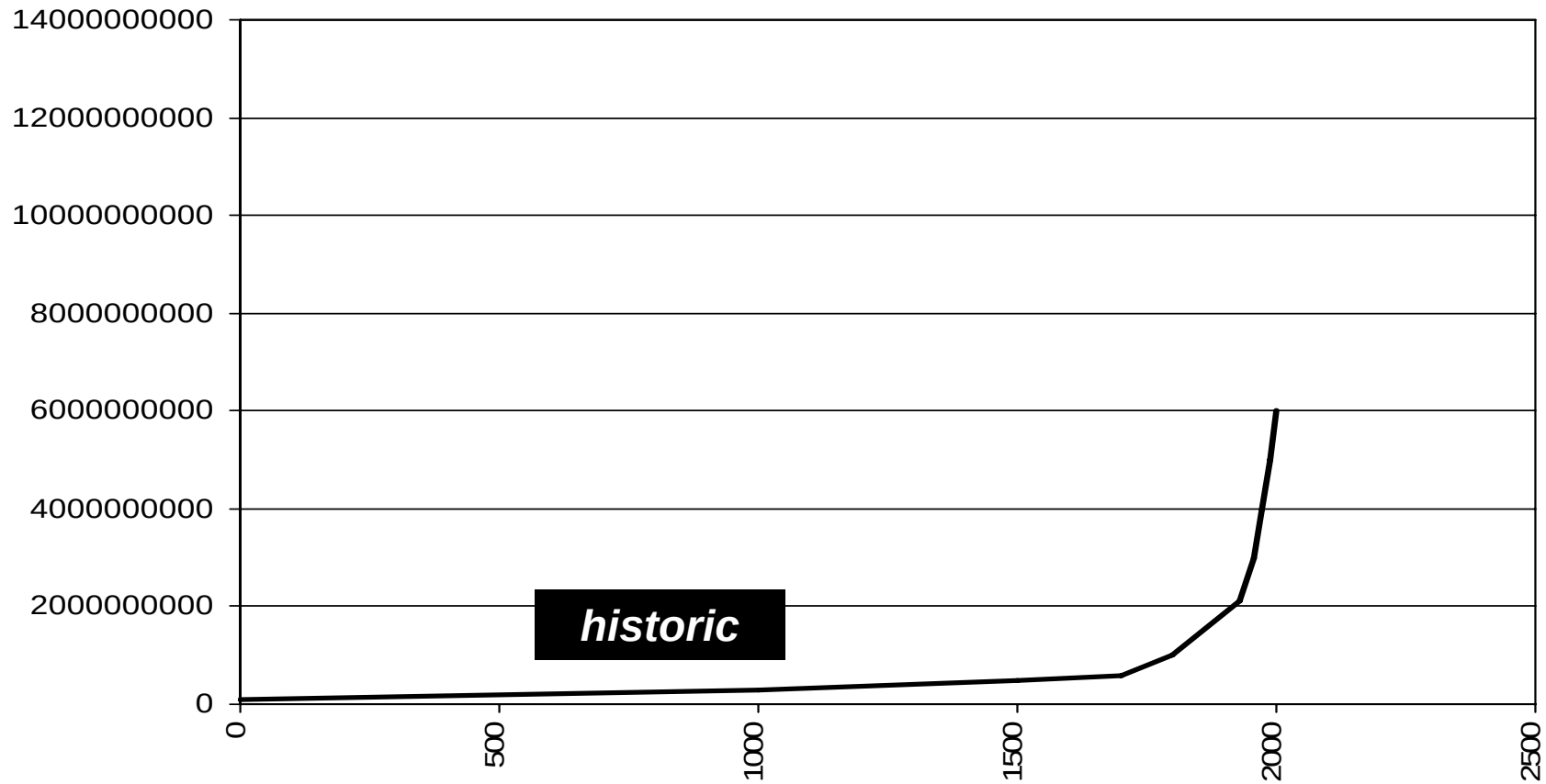


Sources: Bongaarts and Blatao (2000), Durand (1974), Haub (1995), McEvedy and Jones (1978), Nielsen (2005)

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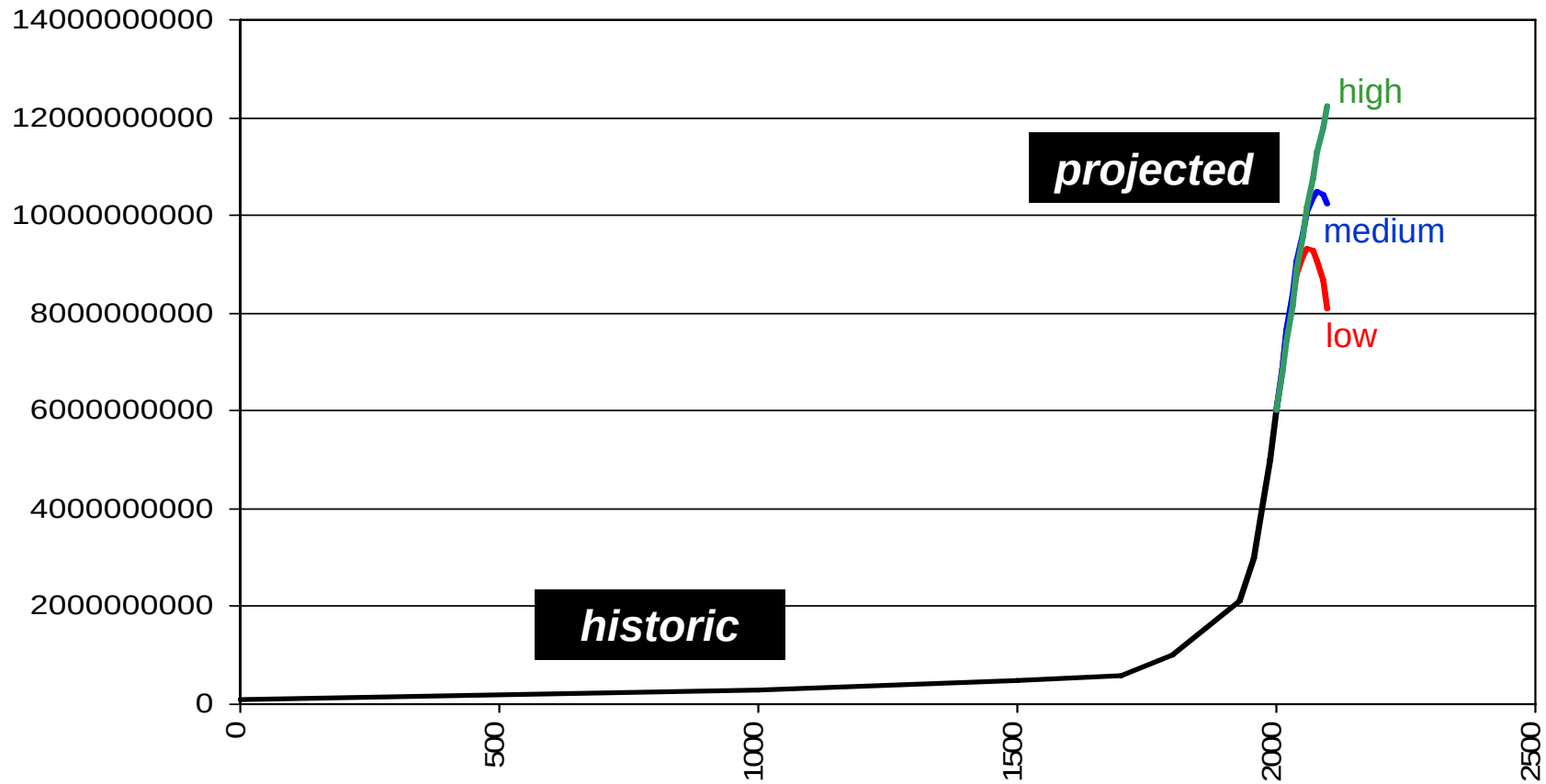


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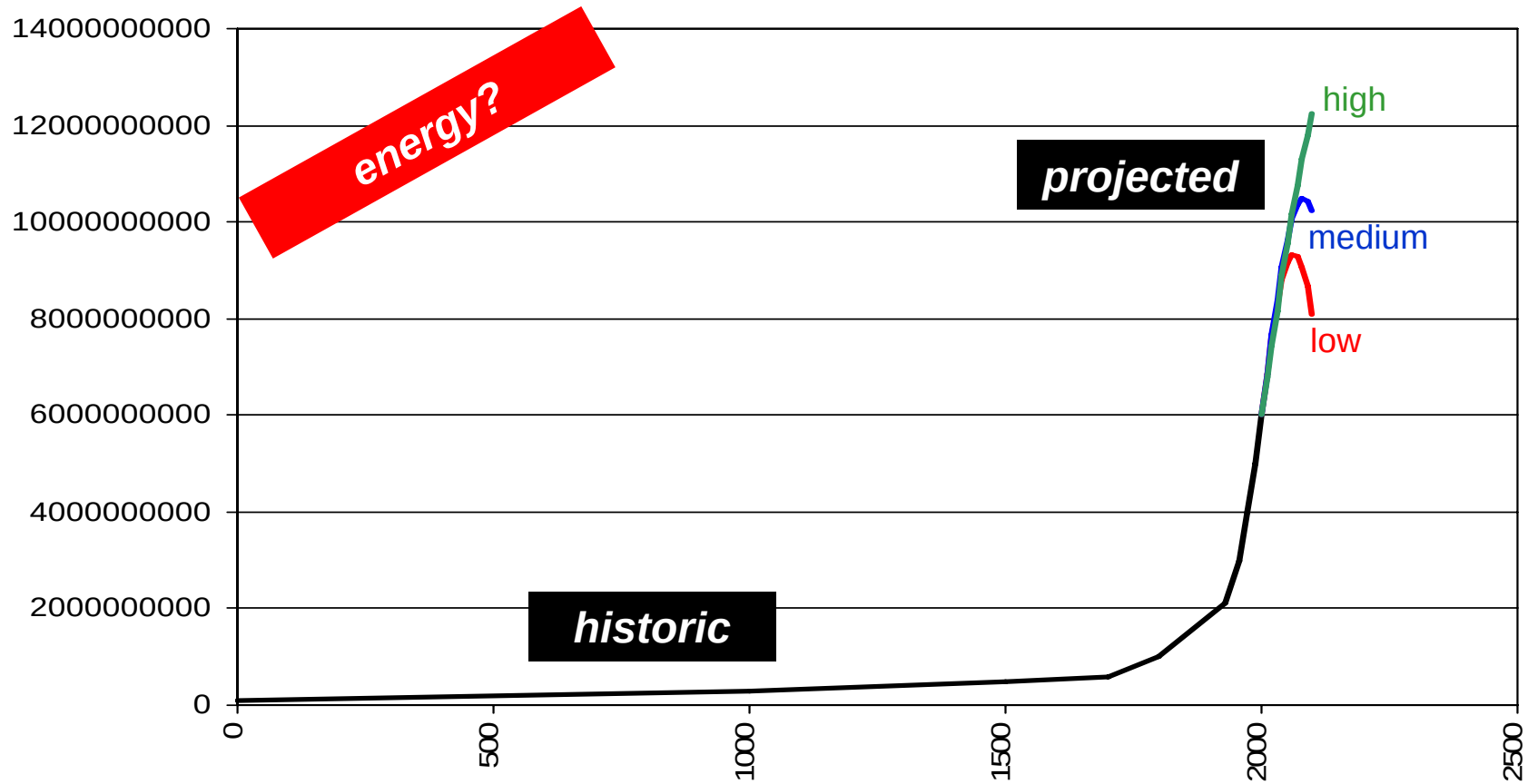


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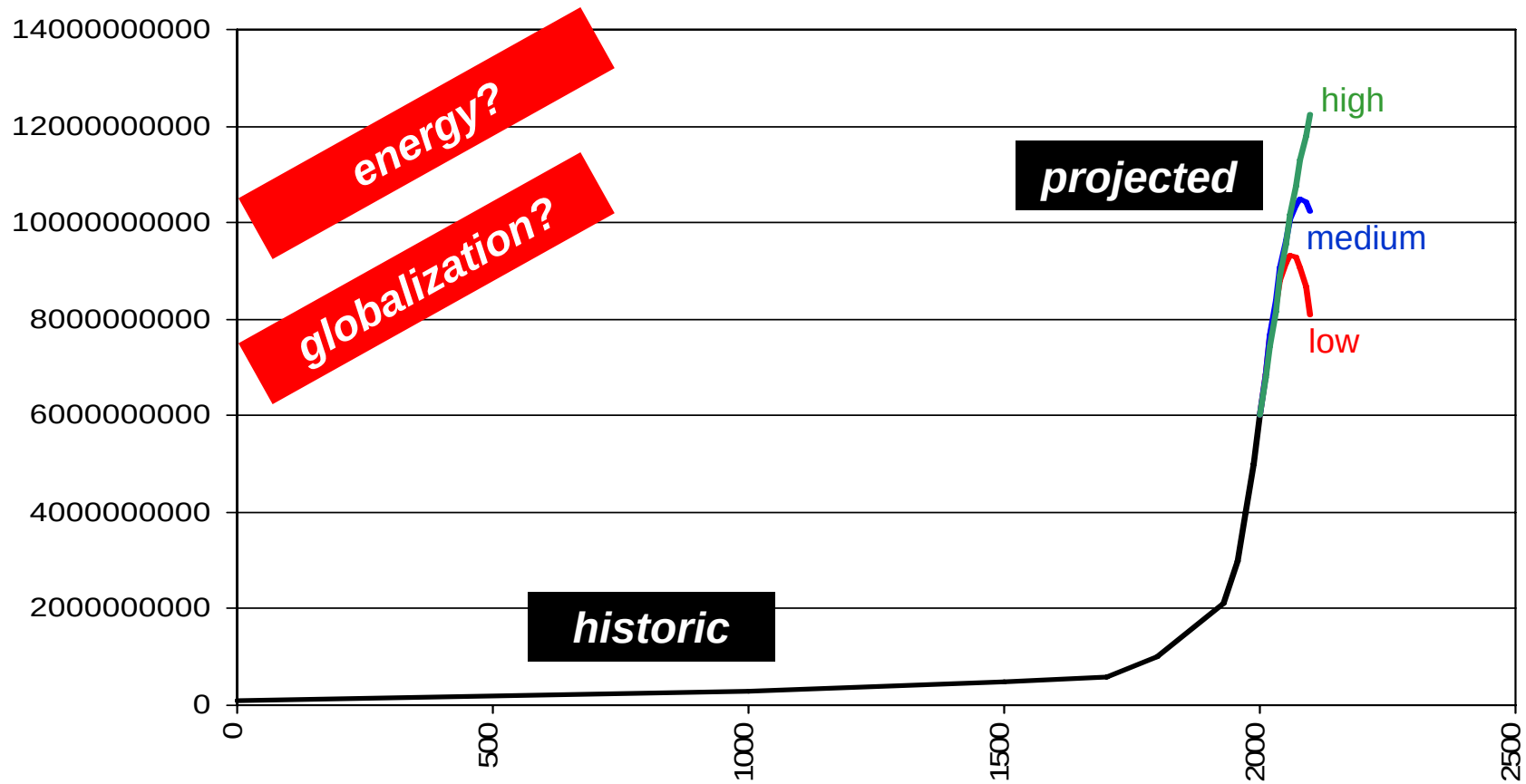


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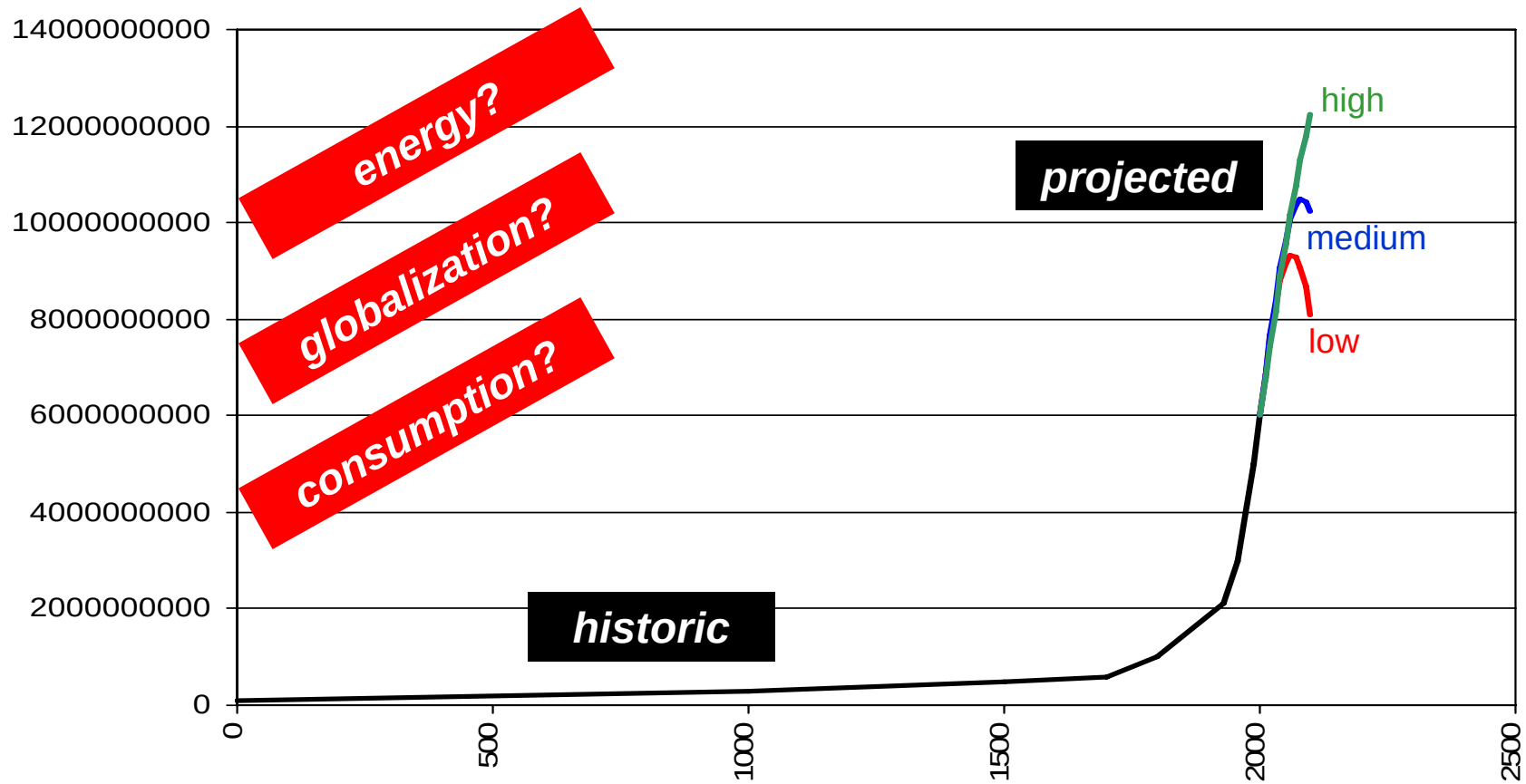


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The Big Picture – Global Population

Why Forestry?



- forests cover ~ 30% of the global land area
- forests provide a variety of ecosystem goods and services
- forests are an important repository for genetic resources

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- forest researchers are well positioned to take on a leadership role

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The Big Picture – Global Population

Why Forestry?

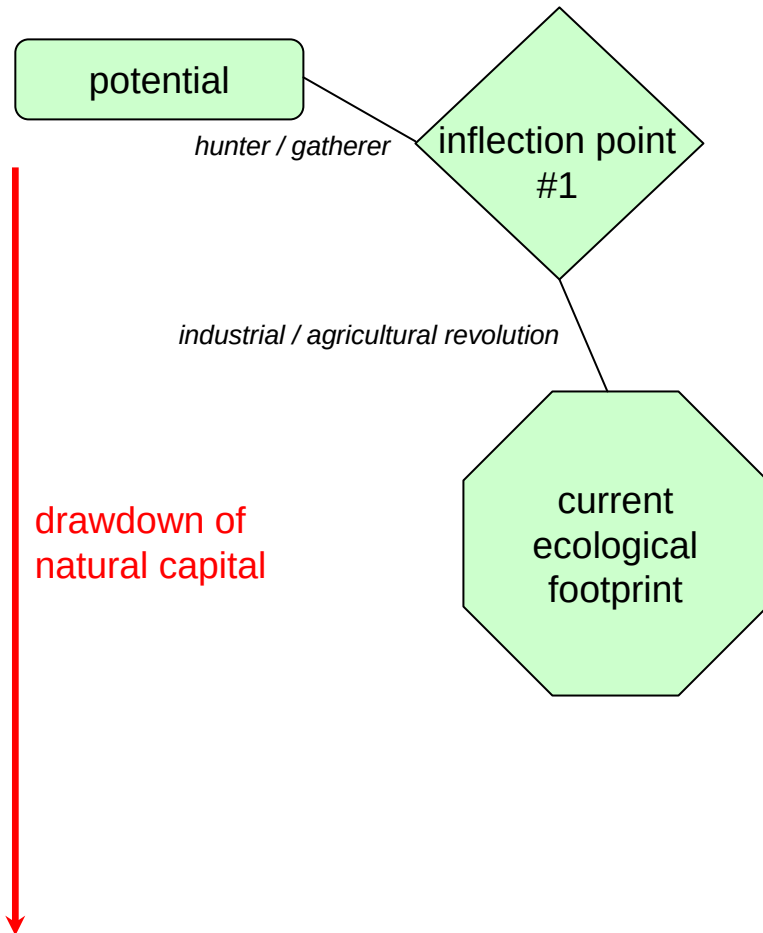


- forests cover ~ 30% of the global land area
- forests provide a variety of ecosystem goods and services
- forests are an important repository for genetic resources
- forests regulate climate and the hydrologic cycle
- forests prevent erosion and control runoff
- forestry practitioners are well positioned to take on a leadership role

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The Big Picture – Sustainability



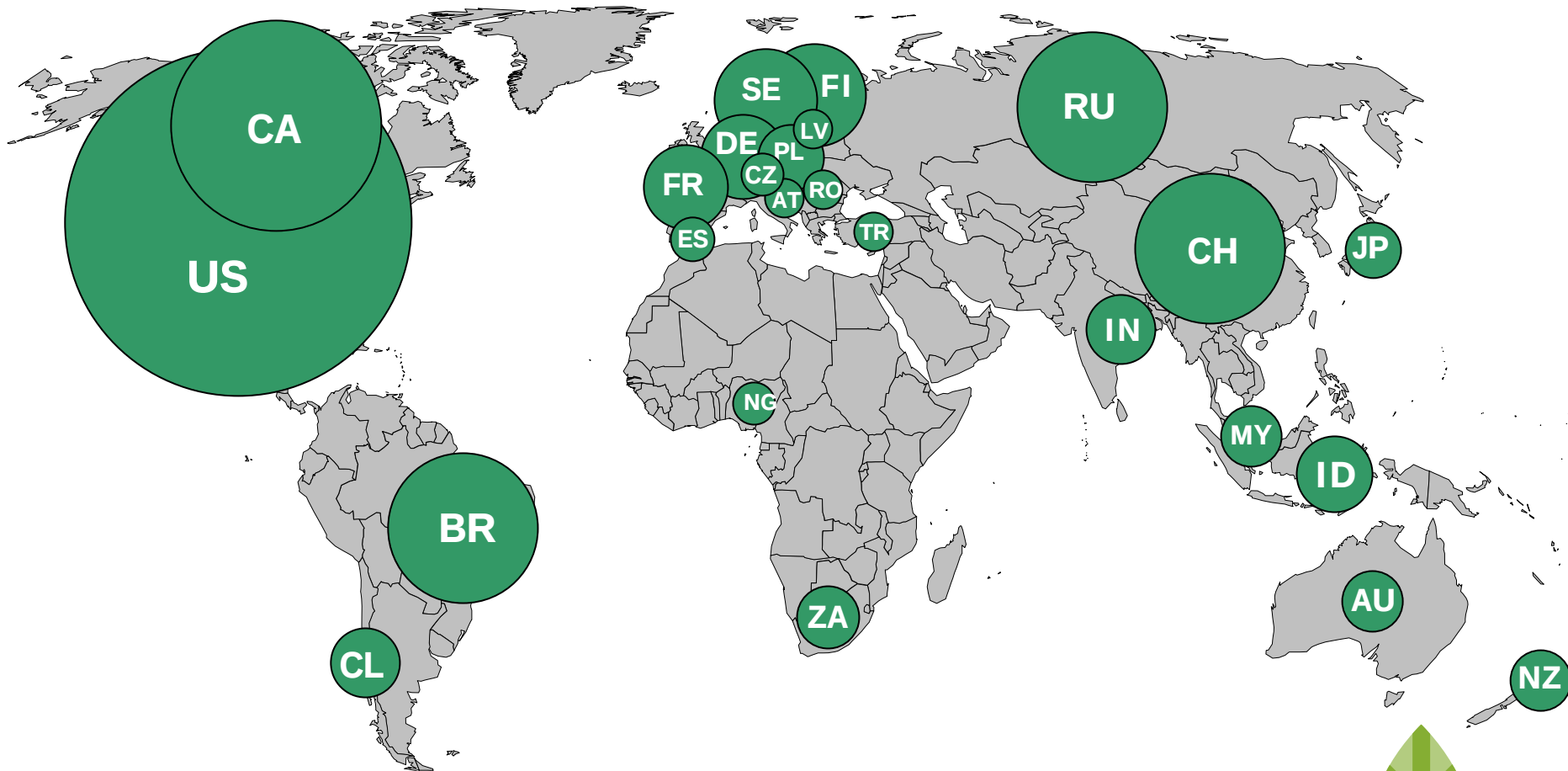
Source: John O'Riordan, BC MOE
Paul Hawken, *The Ecology of Commerce*

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The Big Picture – Sustainability

Roundwood Production, 2000



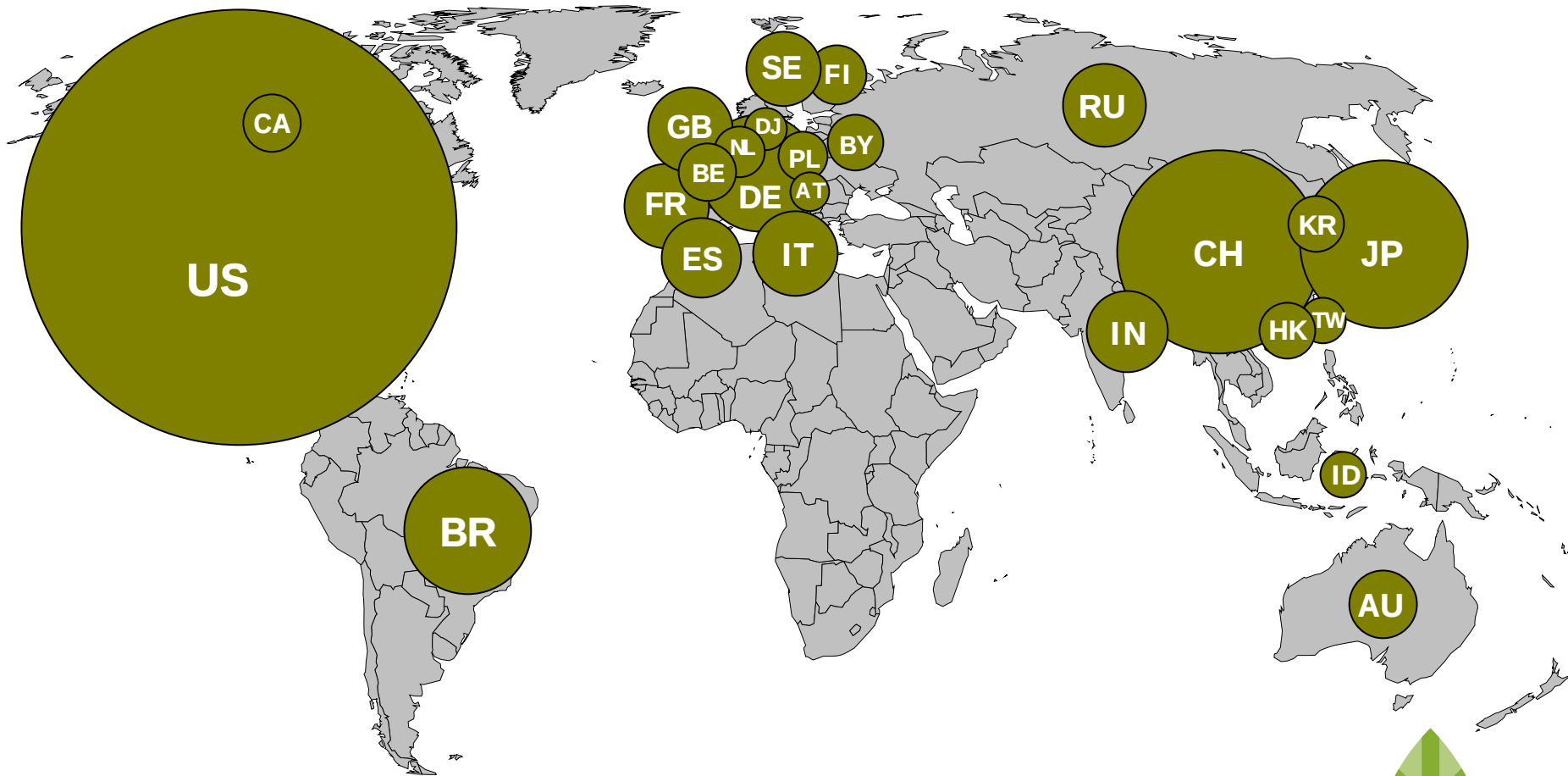
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The Big Picture – Sustainability

Wood Products Consumption, 2000



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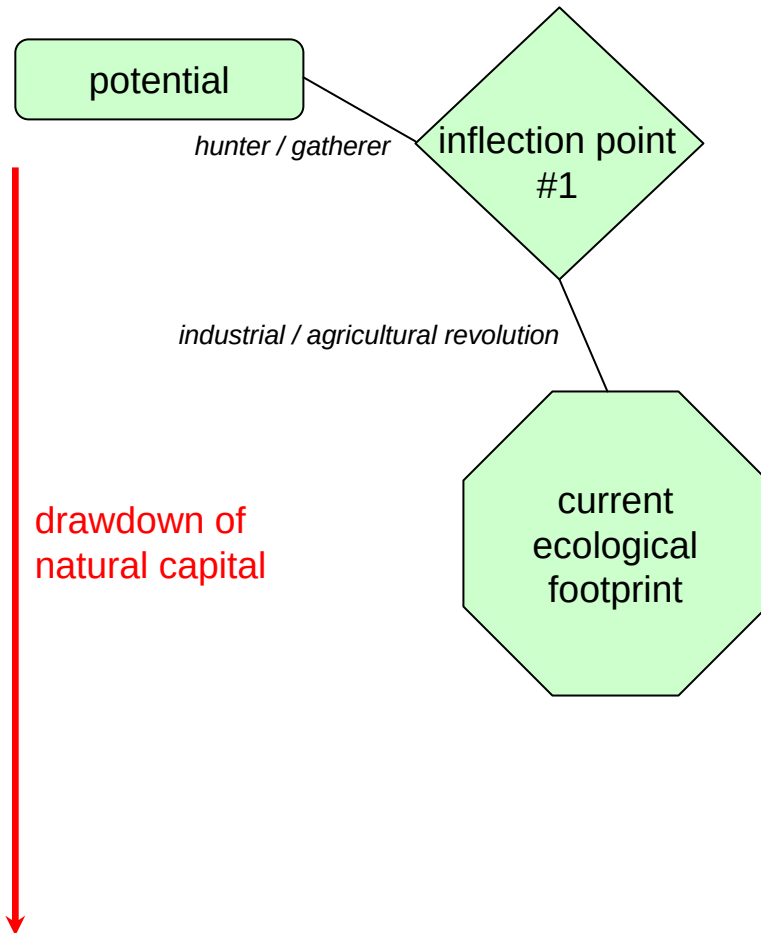
The Big Picture – Sustainability



“Earth provides enough to satisfy every man's need...
but not every man's greed.”

Mahatma Gandhi

The Big Picture – Sustainability

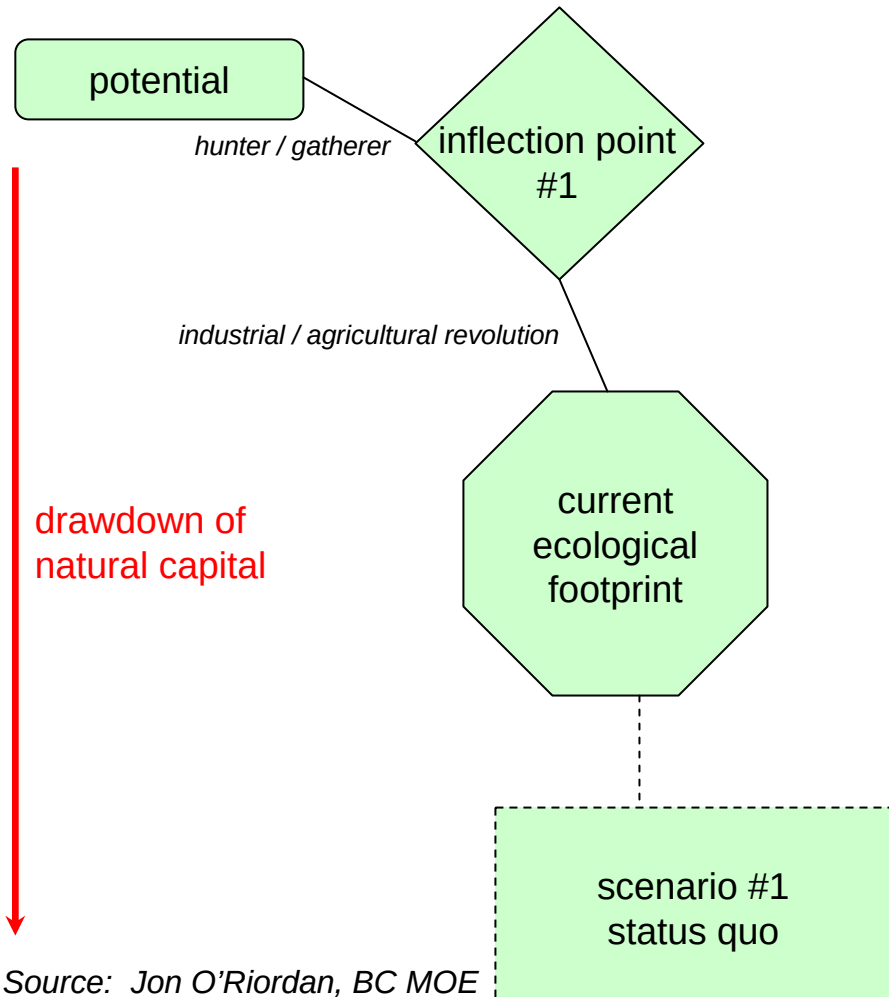


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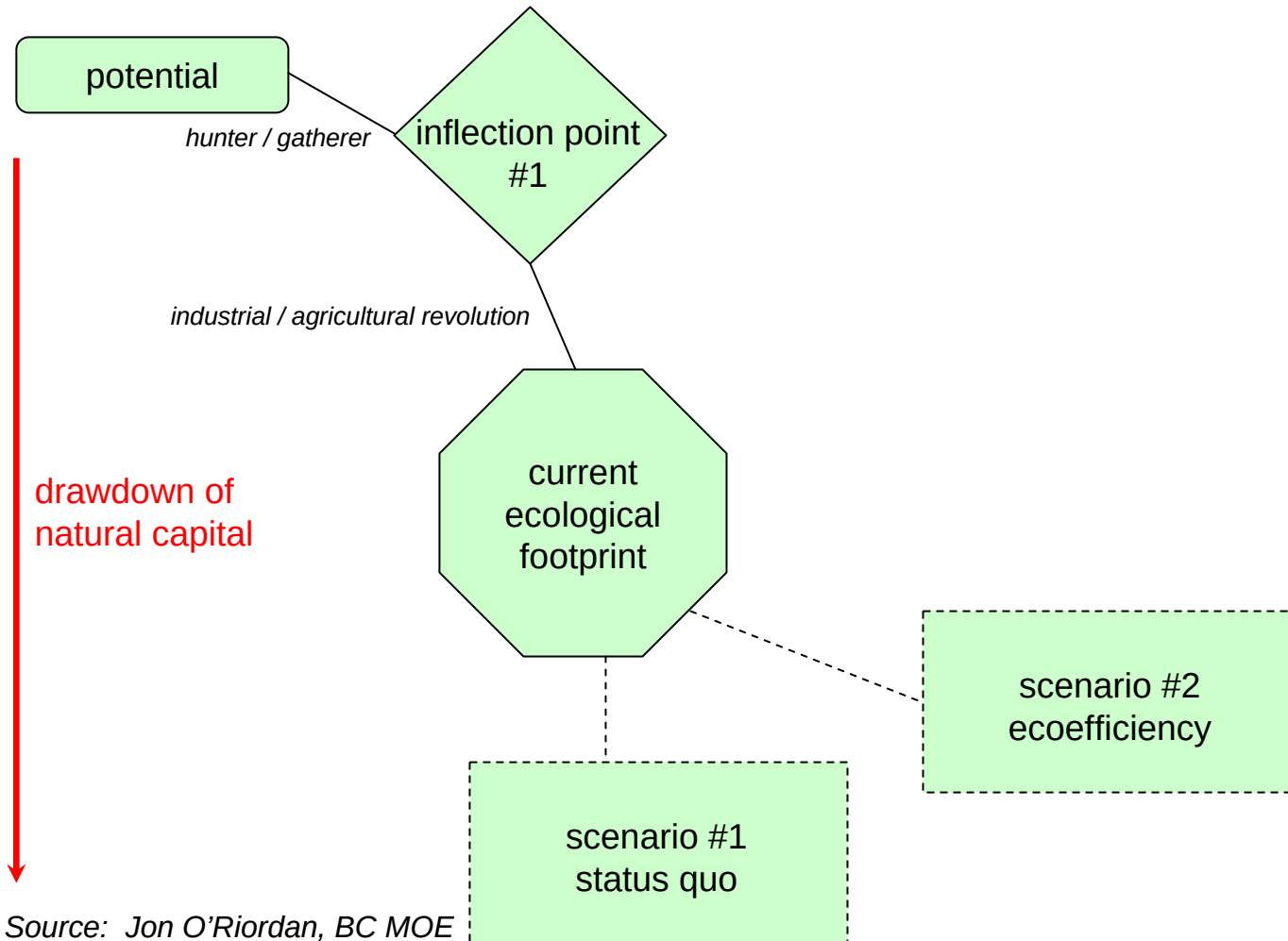


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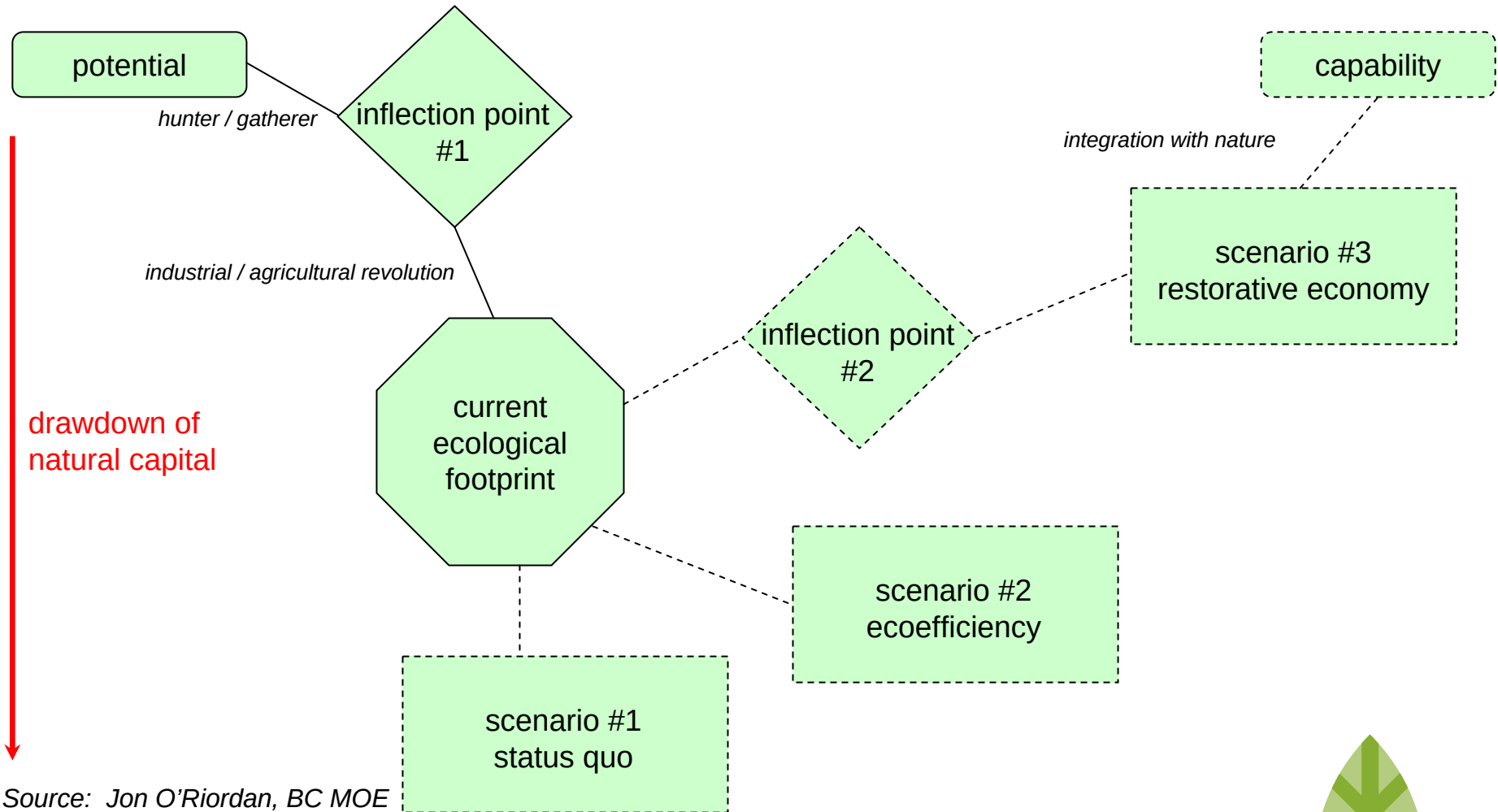


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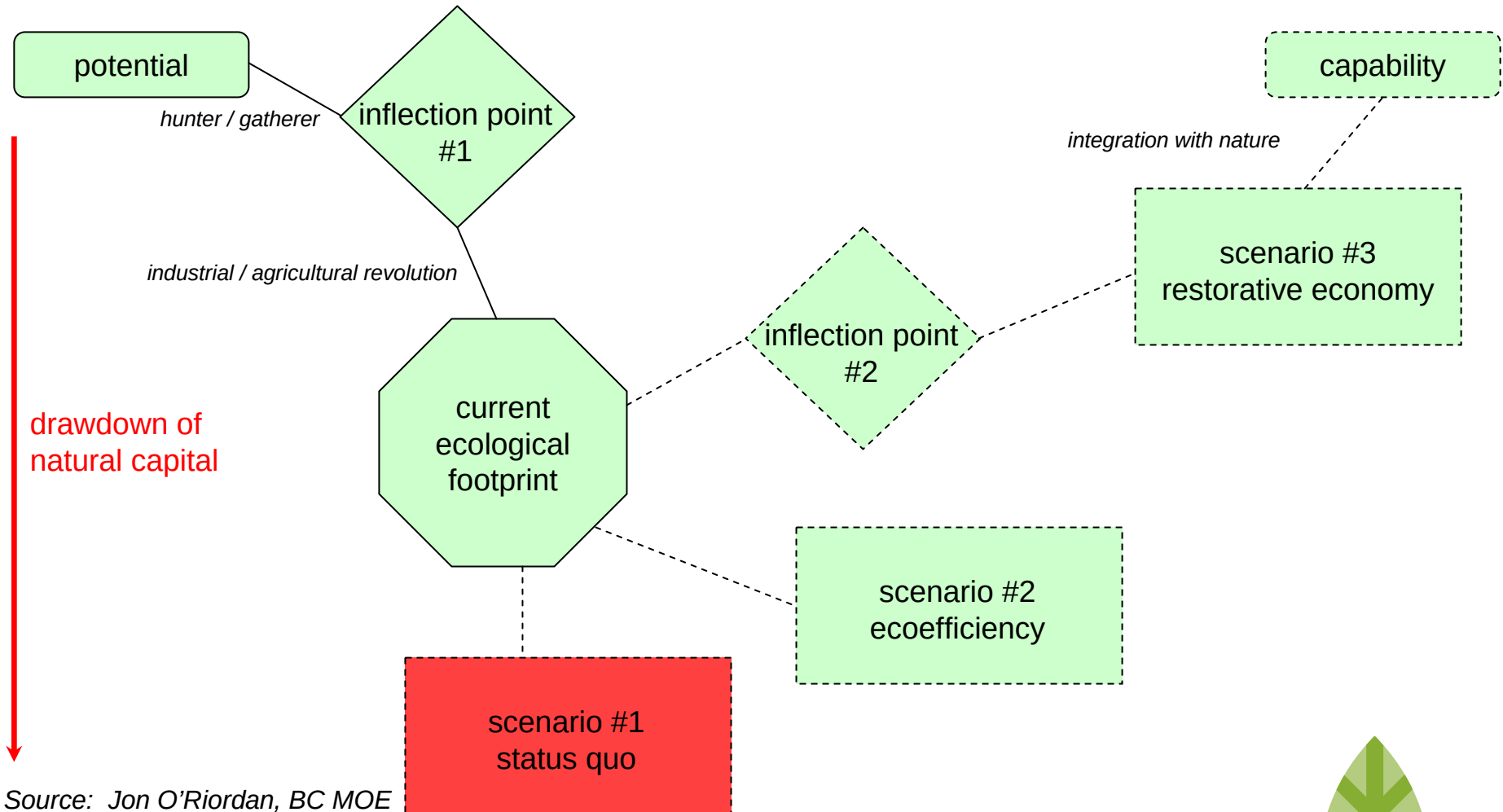


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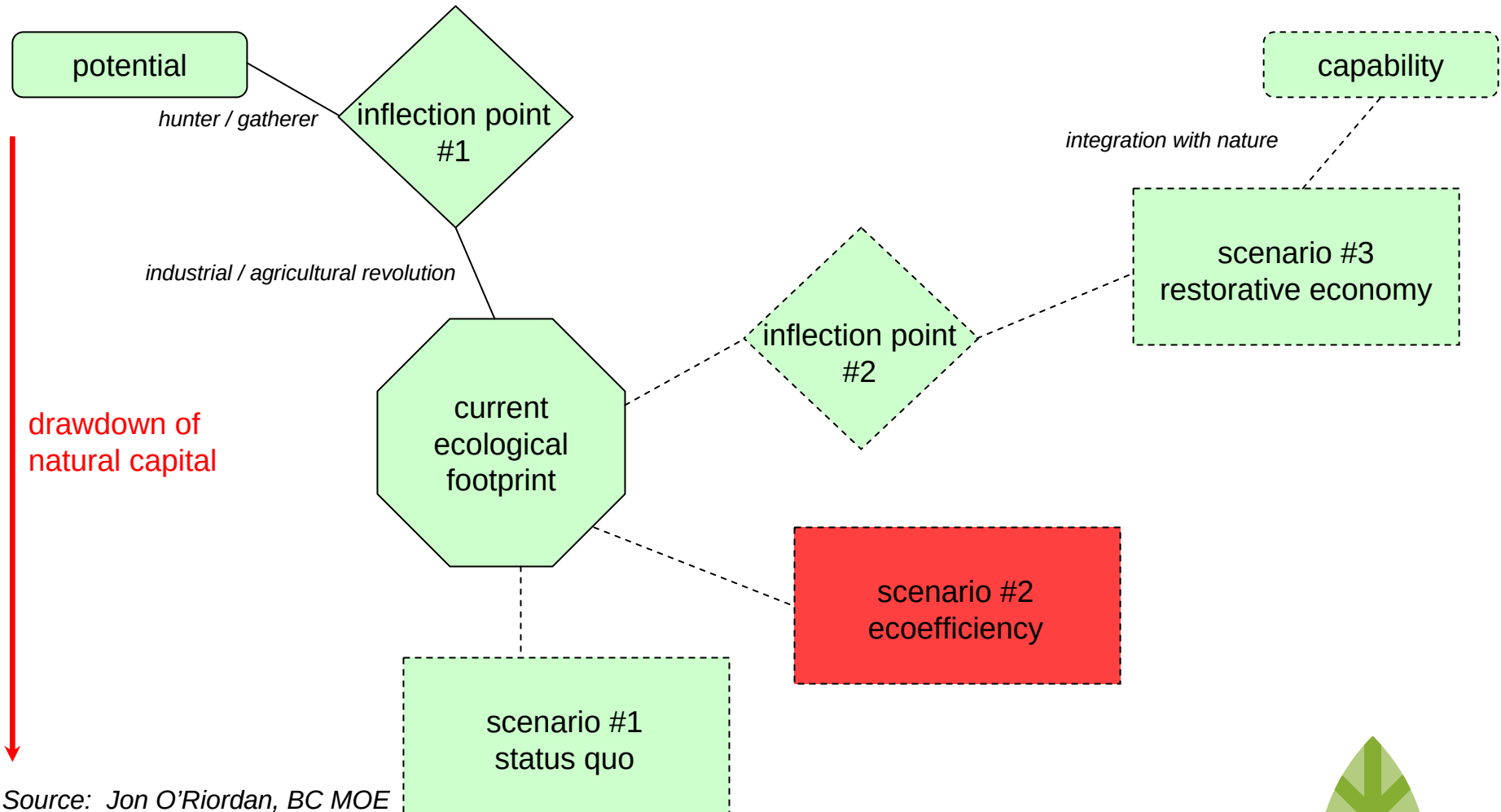


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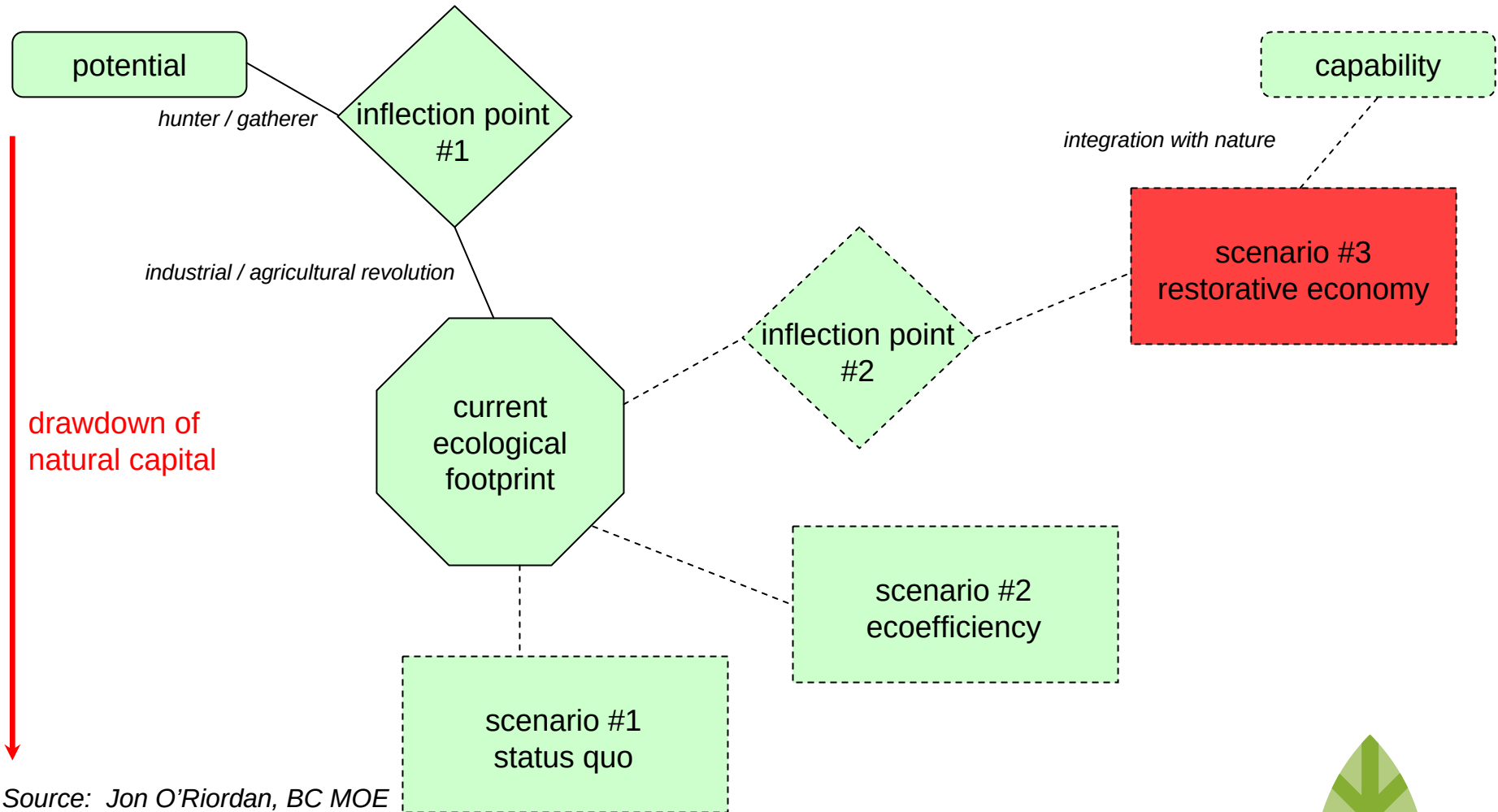


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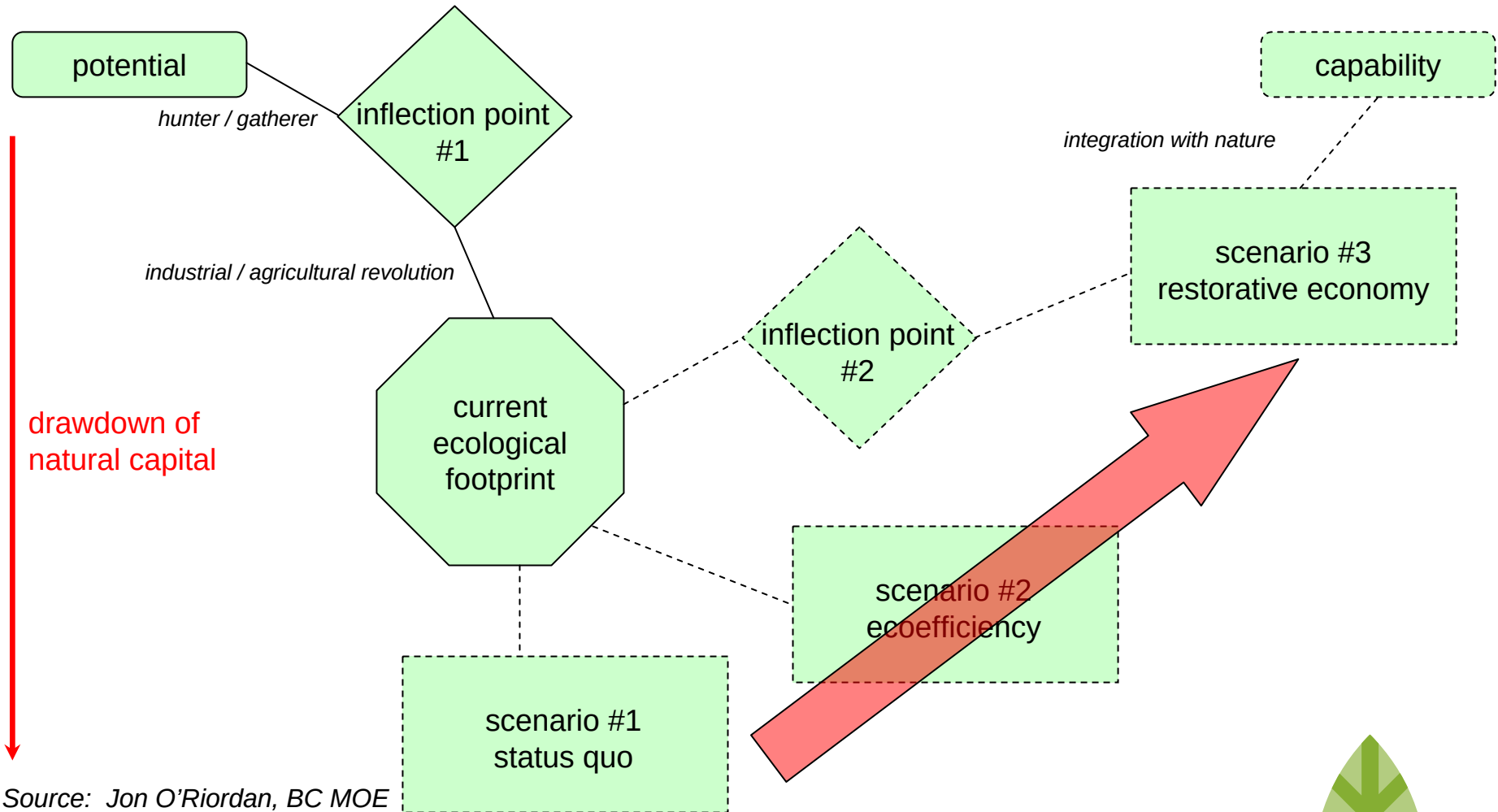


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The Big Picture – Sustainability

- forest certification
 - consumer acceptance studies

status quo / ecoefficiency

- Are consumers willing to pay a premium for certified wood products?
 - market-based incentive

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- Are consumers willing to pay a premium for certified wood products?
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restorative economy

- What mechanisms can we use to charge a premium for wood that does not come from a sustainably managed forest?
 - environmental tax

Current Issues in Forestry

Topics:

- indigenous rights
- old growth forests
- illegal logging
- high conservation areas
- species at risk
- biodiversity planning
- economic / social well-being
- poverty alleviation
- community viability
- climate change
- plantations vs. natural forests
- genetic modification
- global producers
- markets for non-timber goods and services
- non-excludable goods and services
- prescribed burning
- pesticides, herbicides, fertilizers
- forests and water
- invasive species
- etc.

Current Issues in Forestry

Themes:

- sustainability
- technology
- paradigm shifts
- entrepreneurship / globalization
- societal issues
- policy implications
- non-timber values
- research

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Predictions for BC Forestry



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Predictions for BC Forestry



Source: Vancouver Archives

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Predictions for BC Forestry



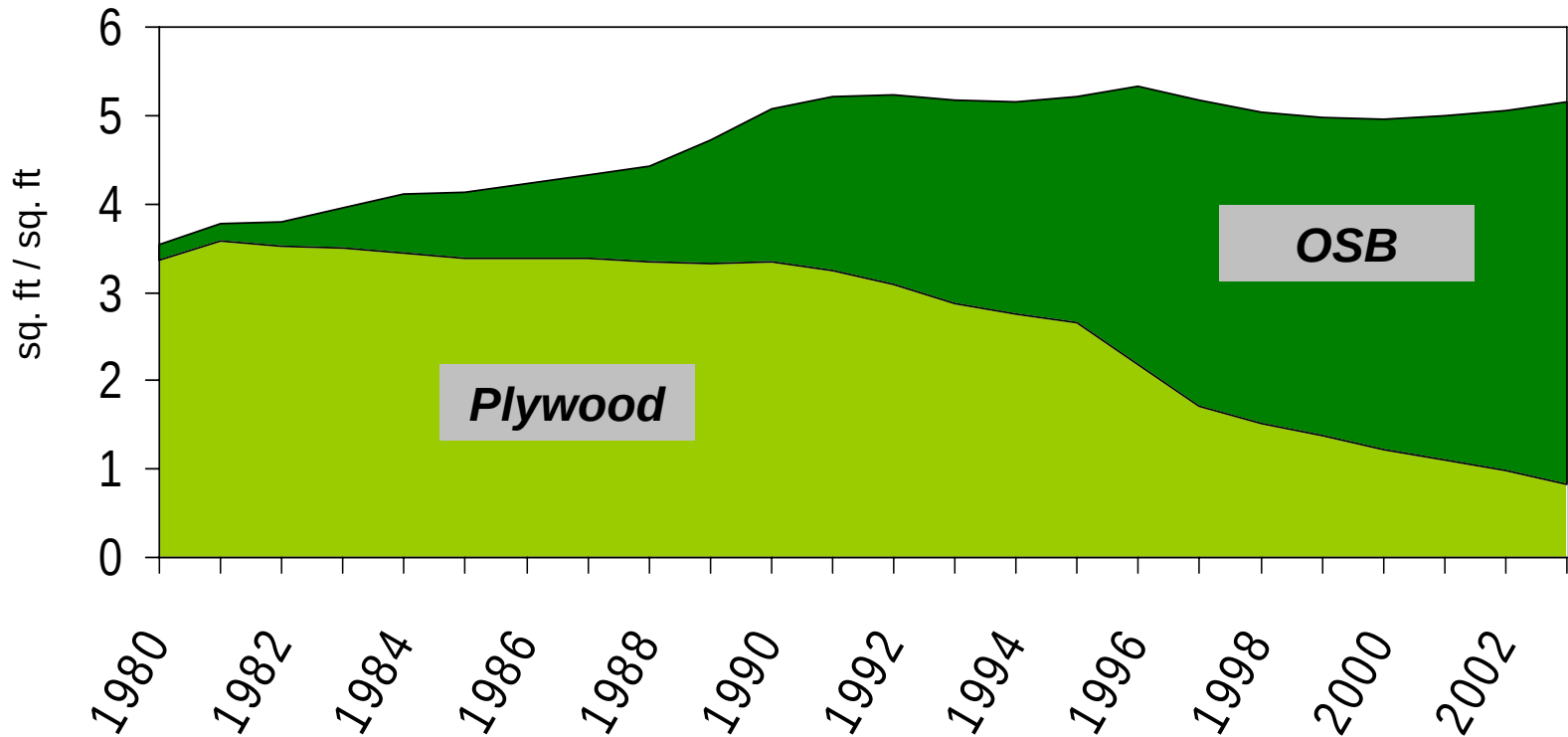
“...result shows a probable duration of our supplies of lumber of not more than 33 years. [It] is certain that the United States has already crossed the verge of a timber famine.”

Gifford Pinchot, 1907
First Chief of the US Forest

Service

Predictions for BC Forestry

Relative Market Share – Plywood versus OSB



Predictions for BC Forestry

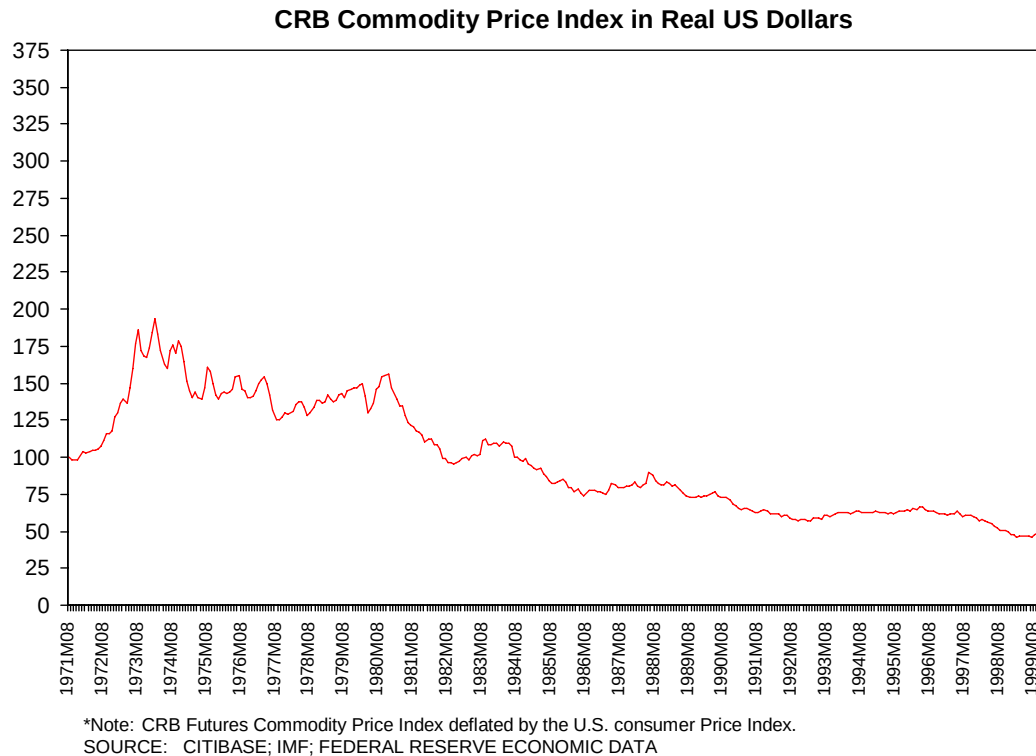
“[Canada is] standing at a crossroads, facing a choice of whether to tackle serious weaknesses in its microeconomic fundamentals of competitiveness or accepting a lower standard of living. **The past nine years show that Canada pursued the latter road.**”

Michael Porter / Roger Martin (2000)
Canadian Competitiveness:
Nine Years After the

Crossroads

Predictions for BC Forestry

Long-Term Trends in Commodity Prices



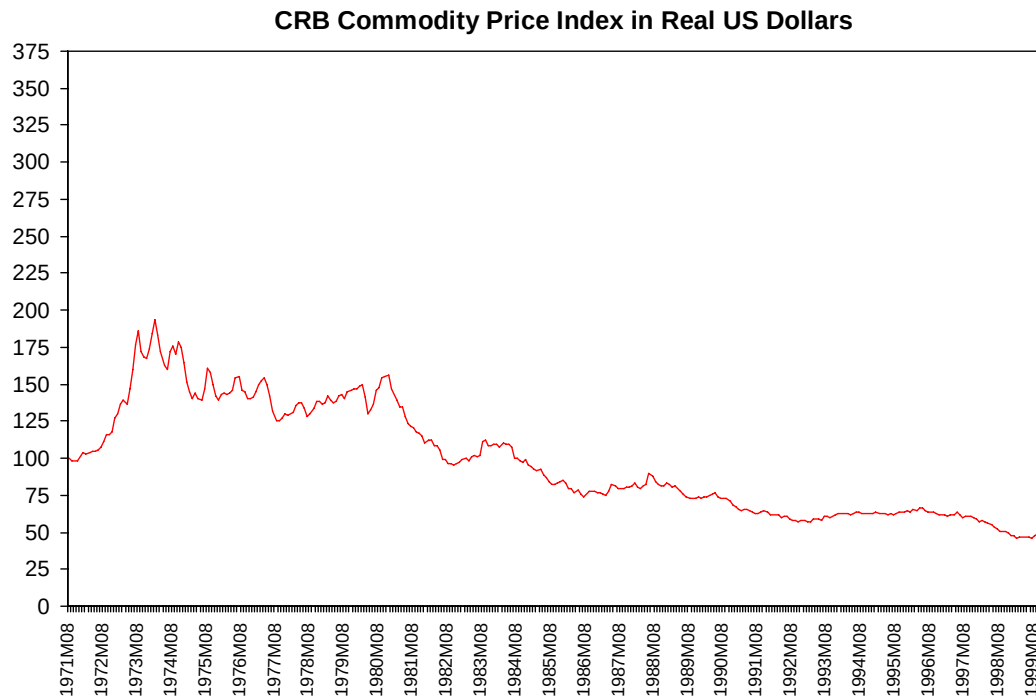
Source: Commodity Research
Bureau

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Predictions for BC Forestry

Long-Term Trends in Commodity Prices



*Note: CRB Futures Commodity Price Index deflated by the U.S. consumer Price Index.
SOURCE: CITIBASE; IMF; FEDERAL RESERVE ECONOMIC DATA

Source: Commodity Research
Bureau

Forest firms to get aid package

Victims of lumber dispute will share \$1.5 billion

A VANCOUVER SUN
EXCLUSIVE

BY PETER O'NEIL
SUN OTTAWA BUREAU

OTTAWA | The federal government will announce Thursday a \$1.5-billion forest industry aid package, *The Vancouver Sun* has learned.

The five-year deal, costing significantly more than the \$800-million to \$1-billion deal rumoured in media reports last week, will be announced in B.C., Northern Ontario, and in Quebec — the three regions hardest hit in the protracted Canada-U.S. lumber dispute.

The aid package had been held up by Canadian officials in hopes it wouldn't be necessary, given the latest ruling in Canada's favour by a panel established under the North American Free Trade Agreement.

But, the U.S. government is expected to announce Wednesday it won't adhere to the NAFTA requirement that would have compelled the Americans to return at least \$3.5 billion in duties paid since the latest battle began in 2002.



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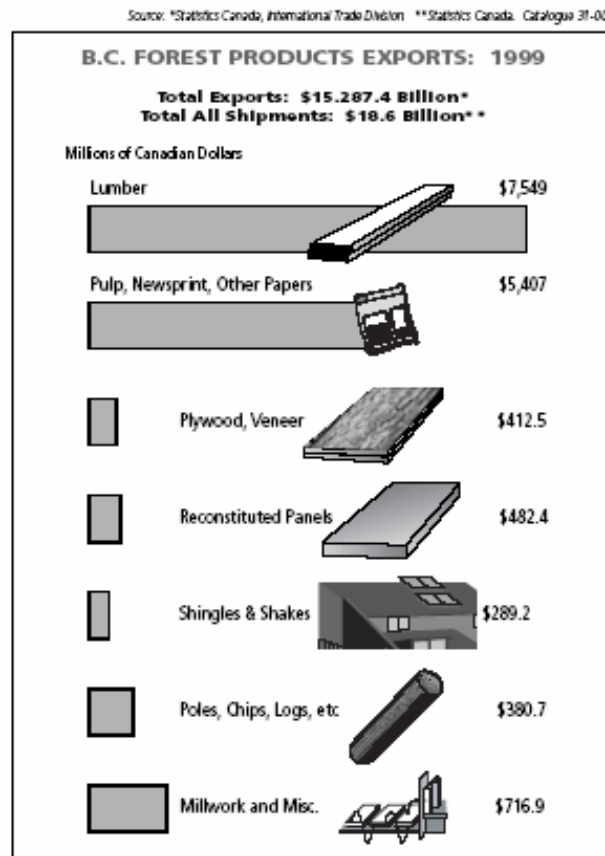
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BC Forestry – The Current Paradigm

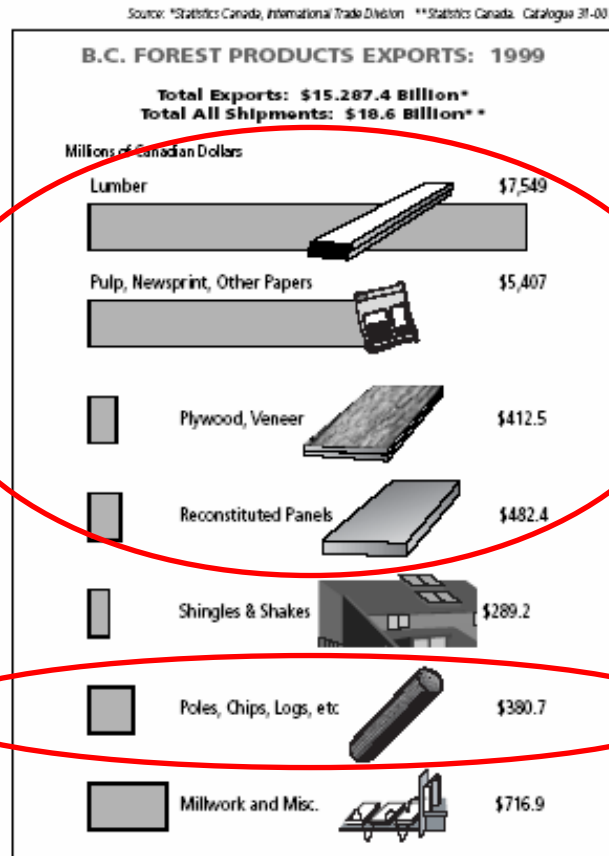


Source: Council of Forest Industries 2000 Factbook

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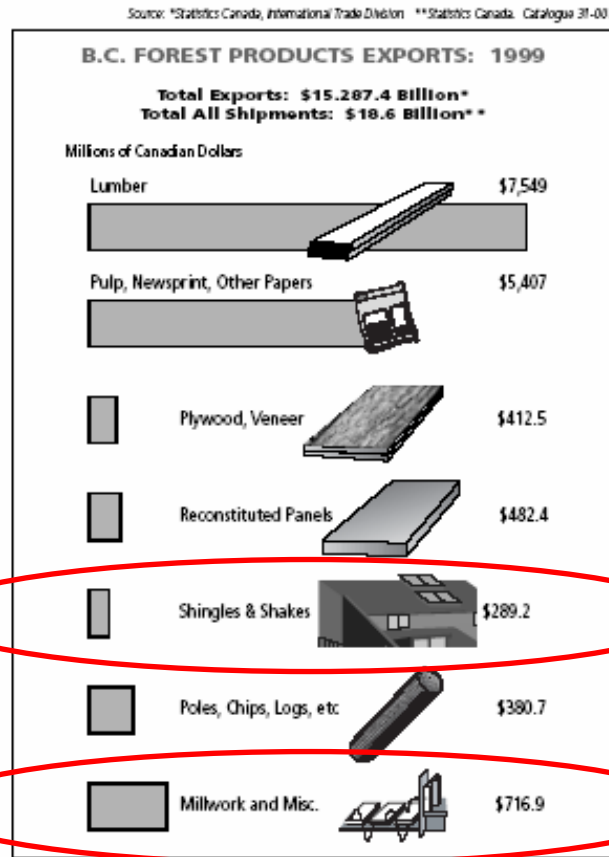
BC Forestry – The Current Paradigm



commodity products

Source: Council of Forest Industries 2000 Factbook

BC Forestry – The Current Paradigm



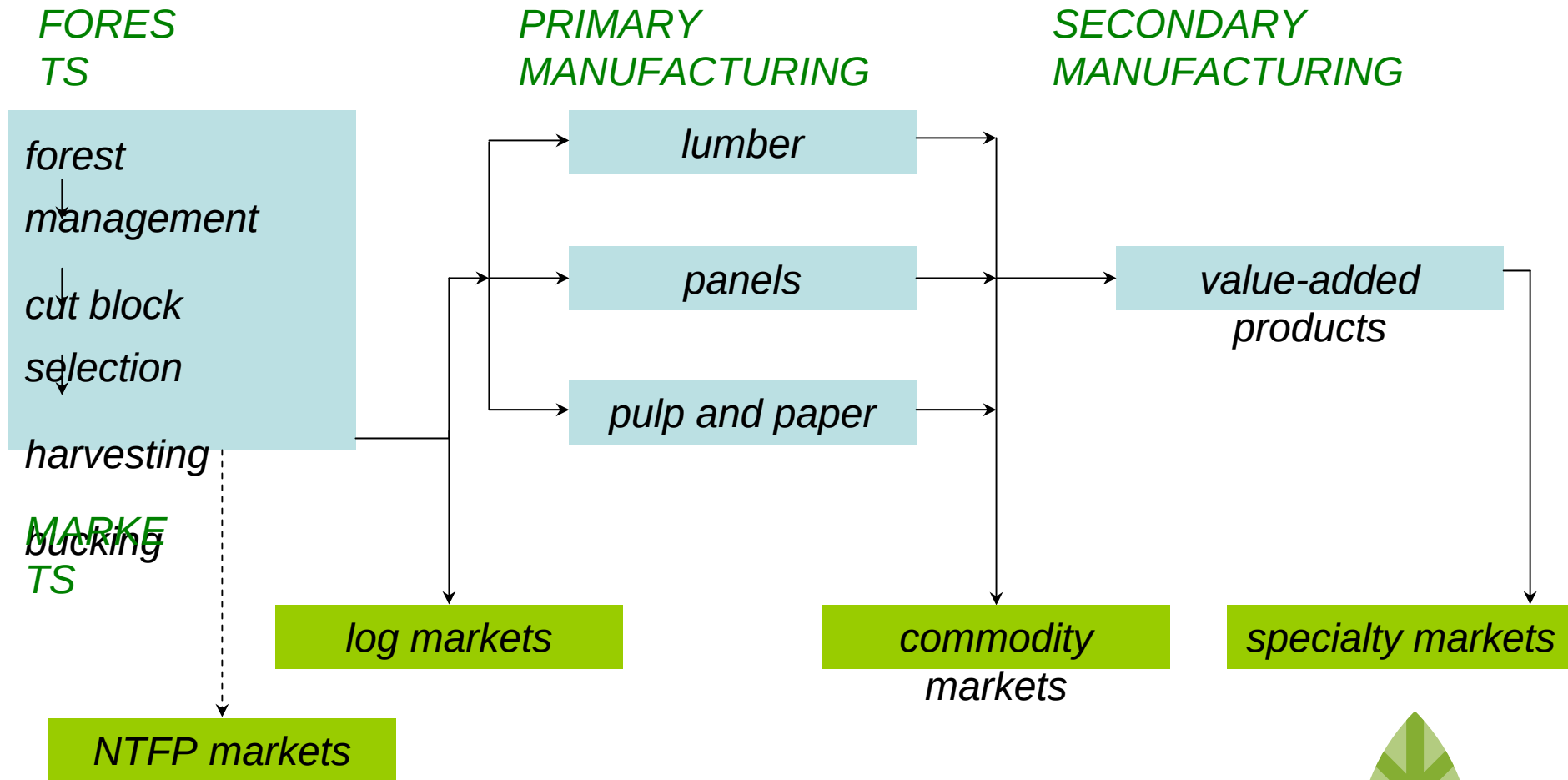
value-added products

Source: Council of Forest Industries 2000 Factbook

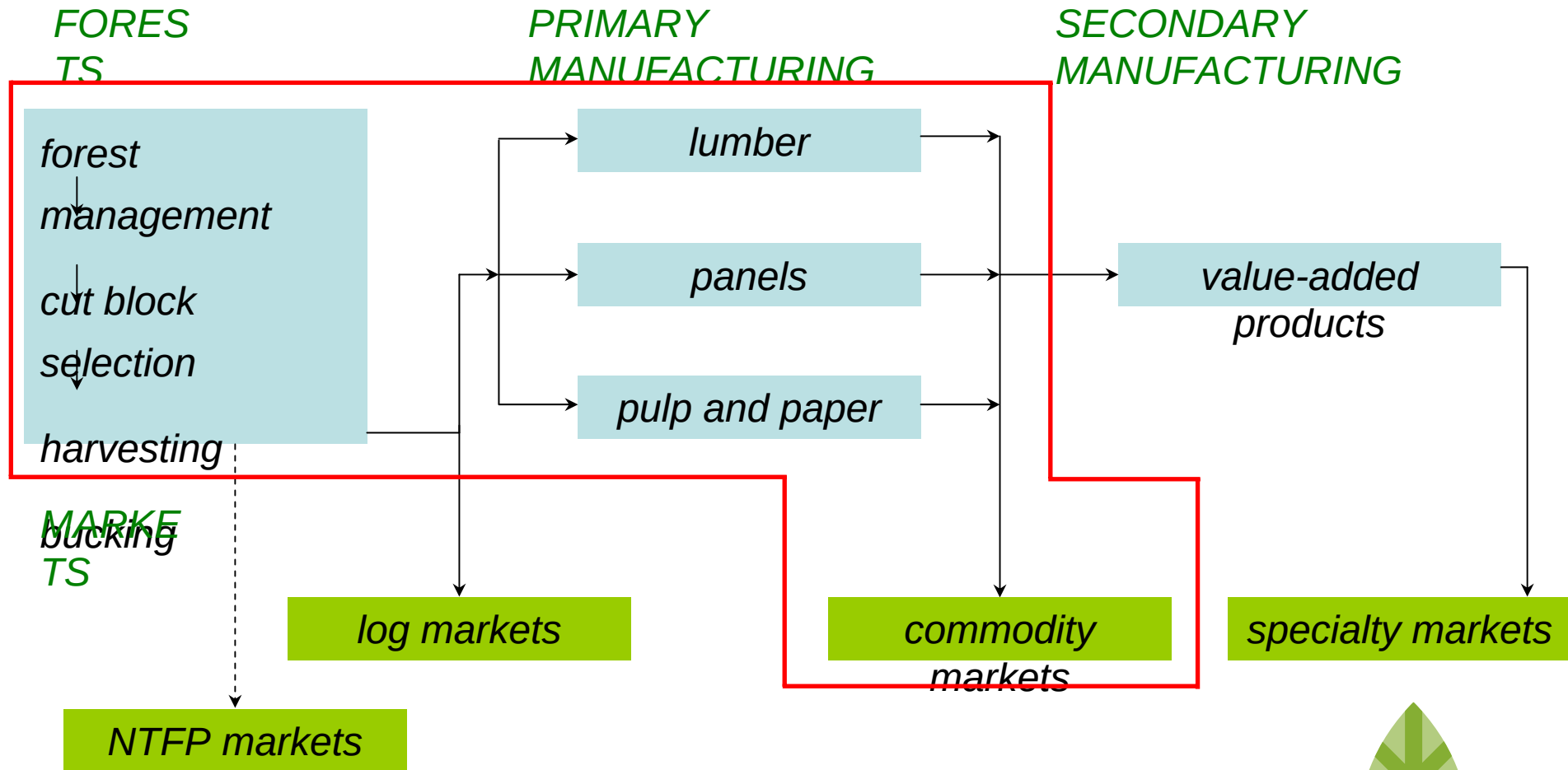
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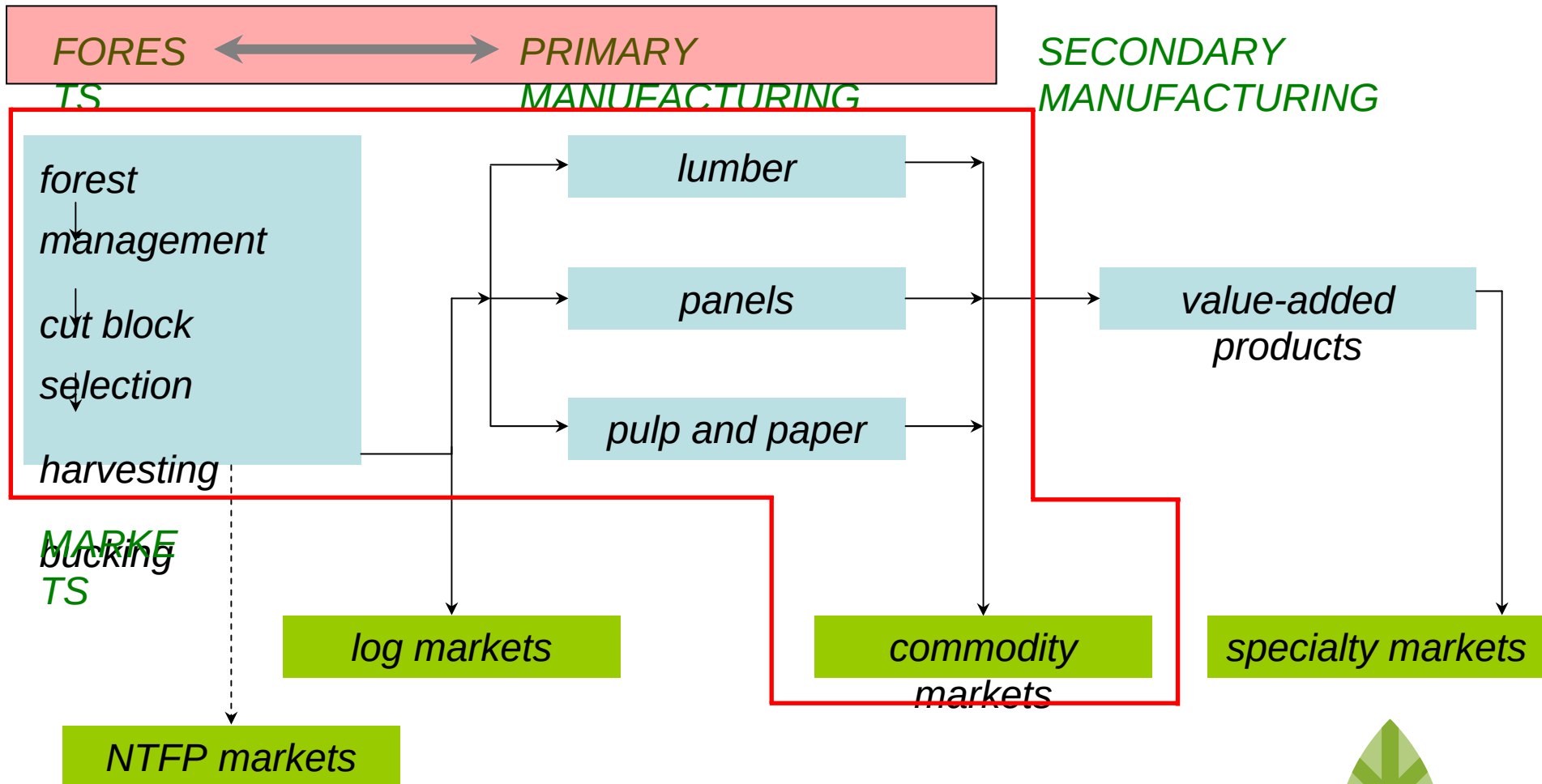
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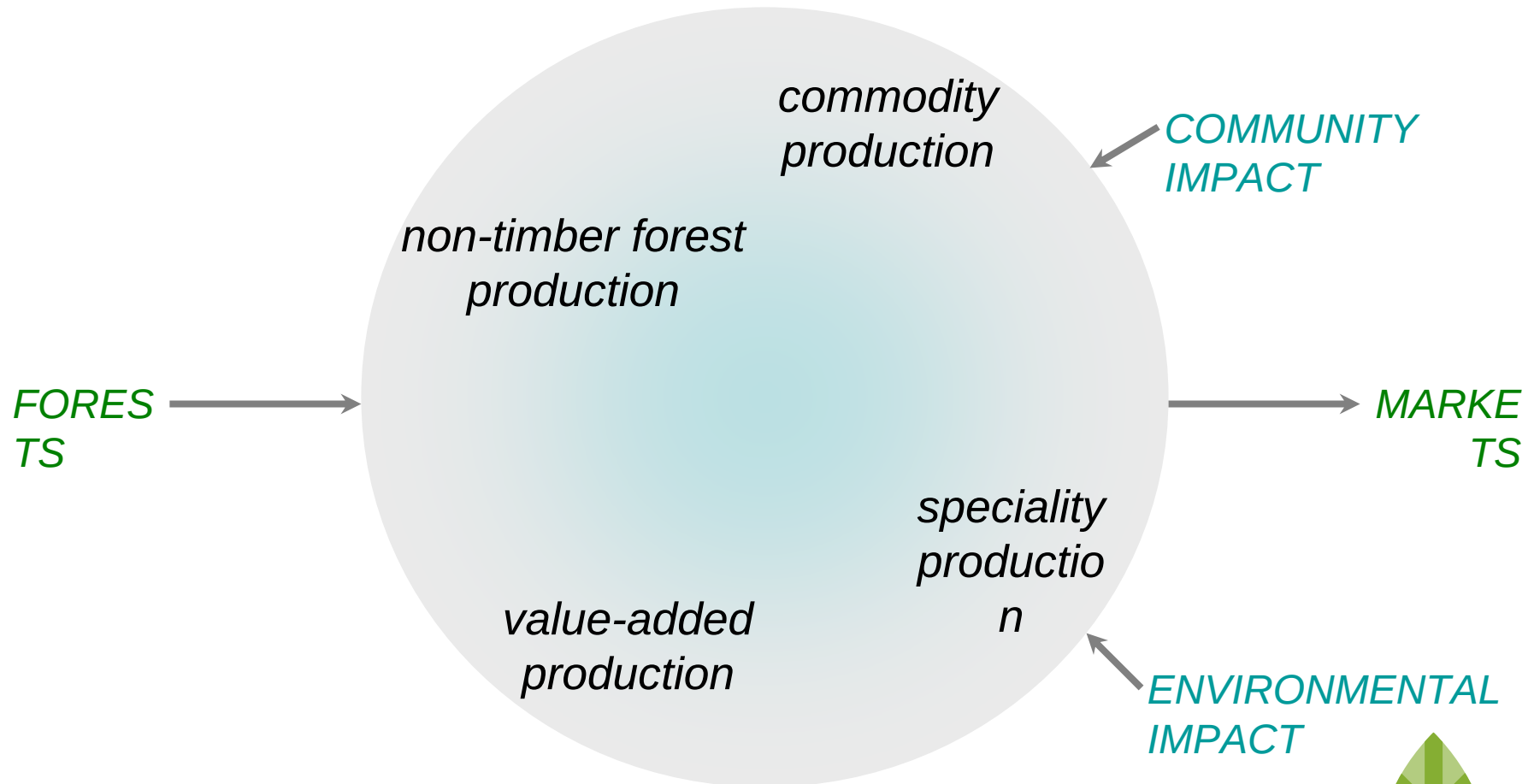
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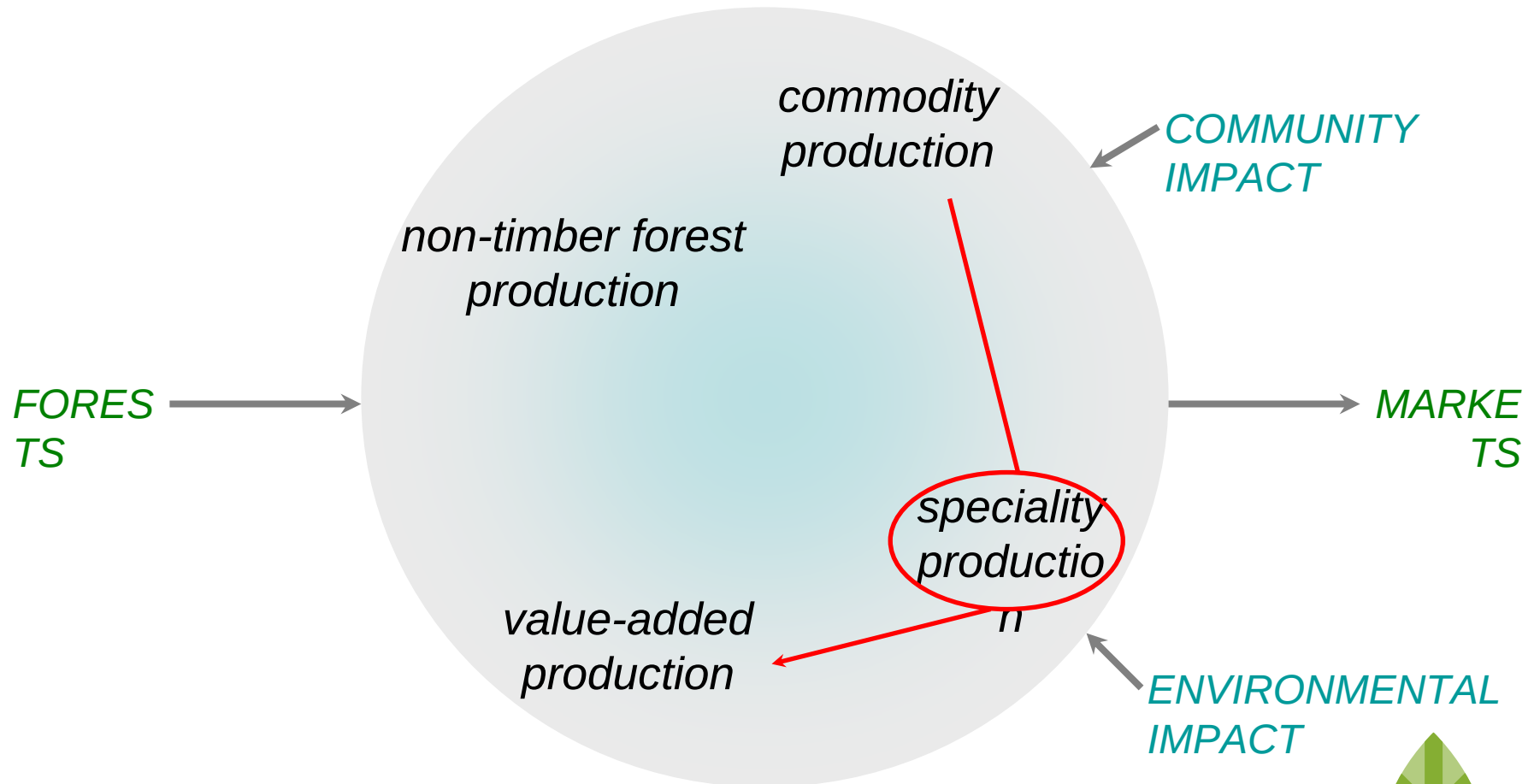
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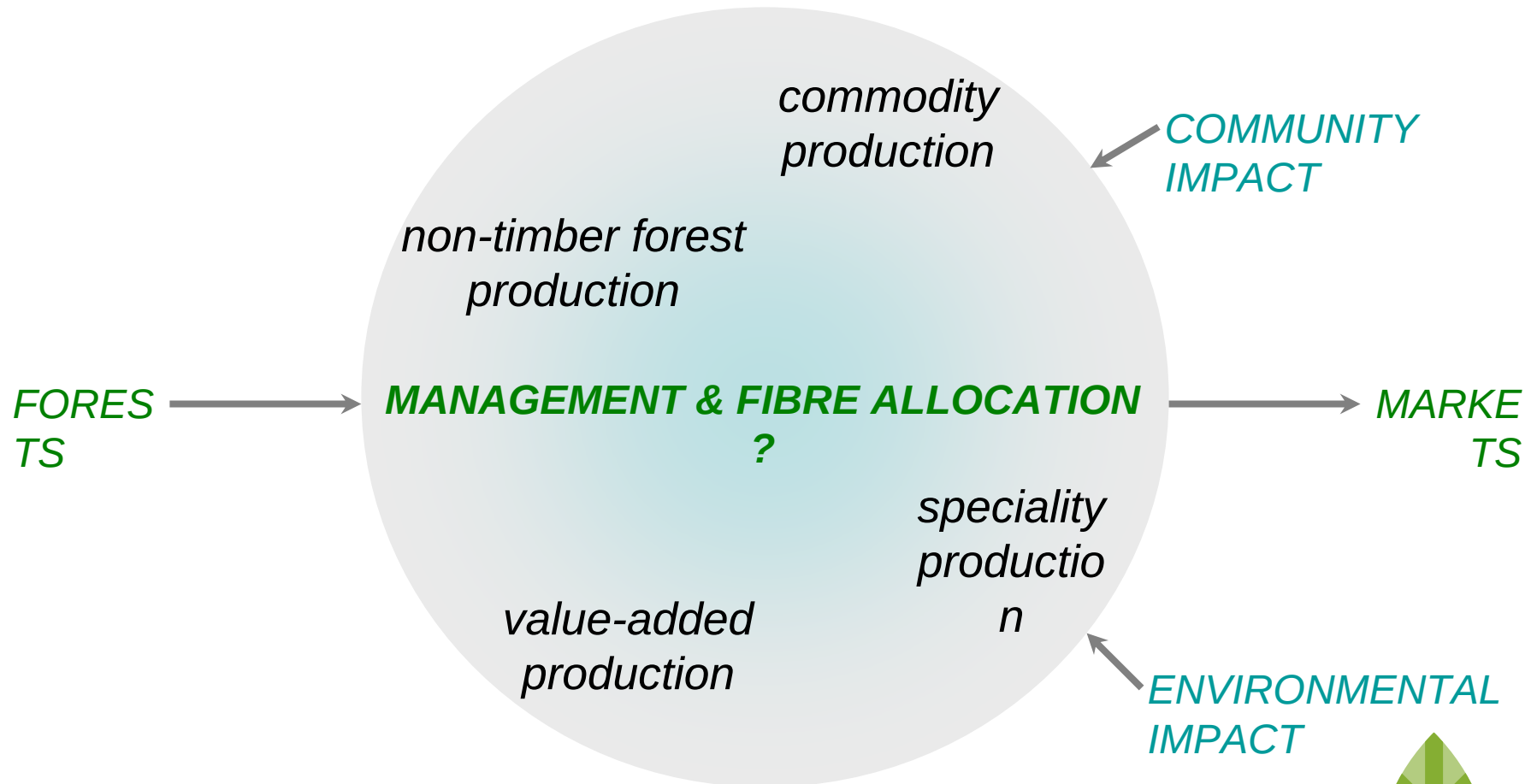
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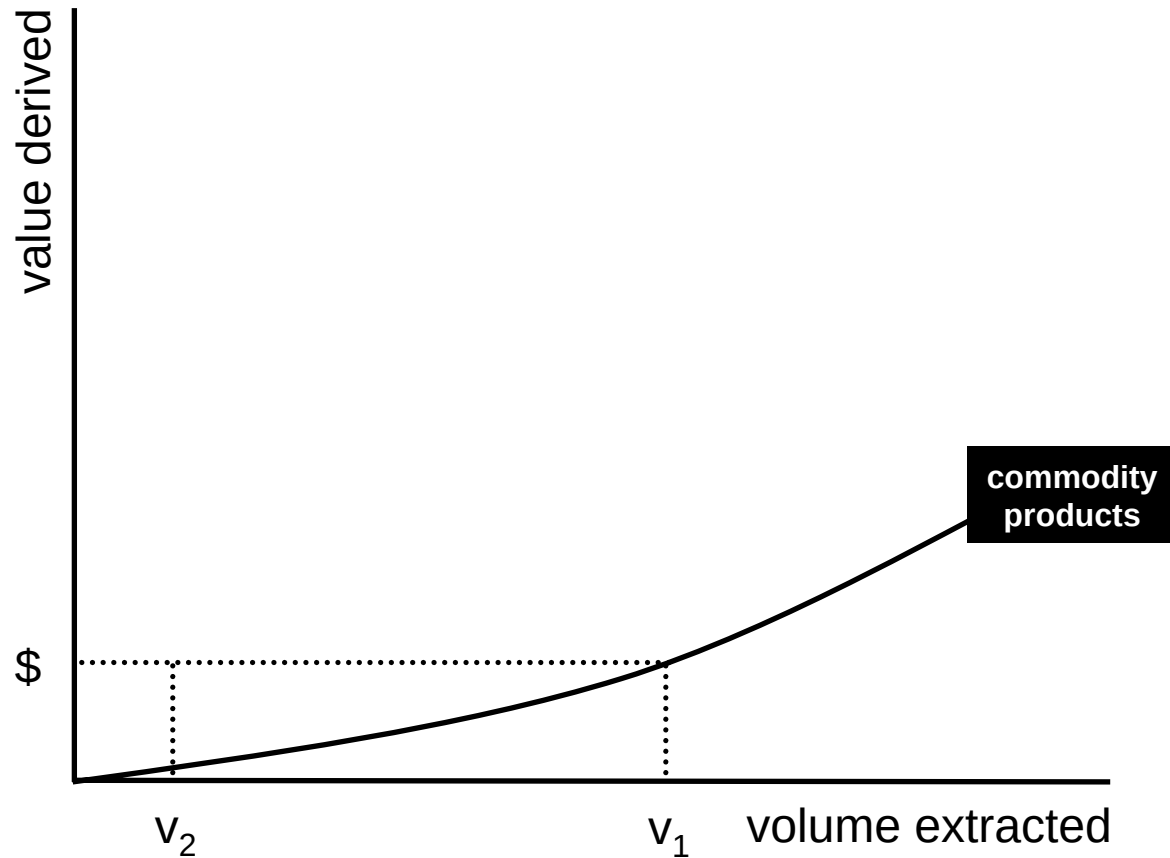
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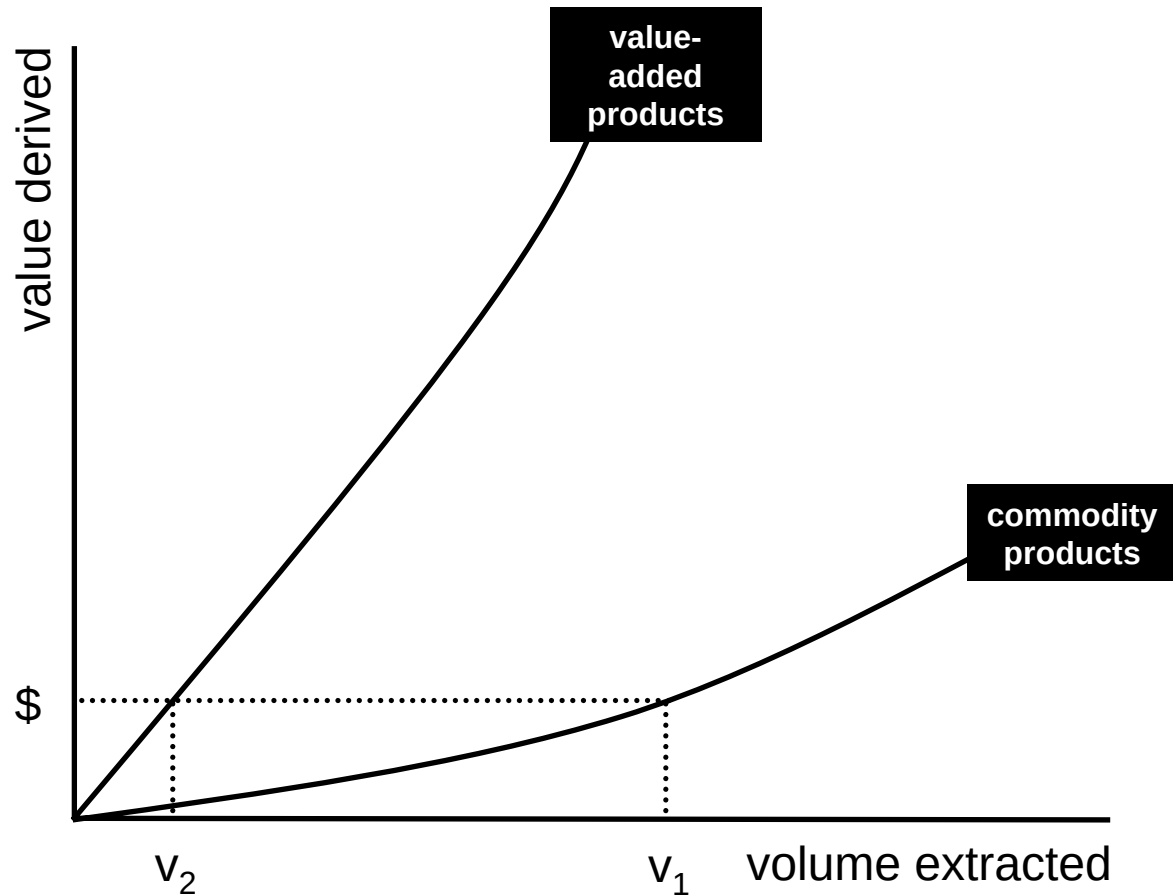
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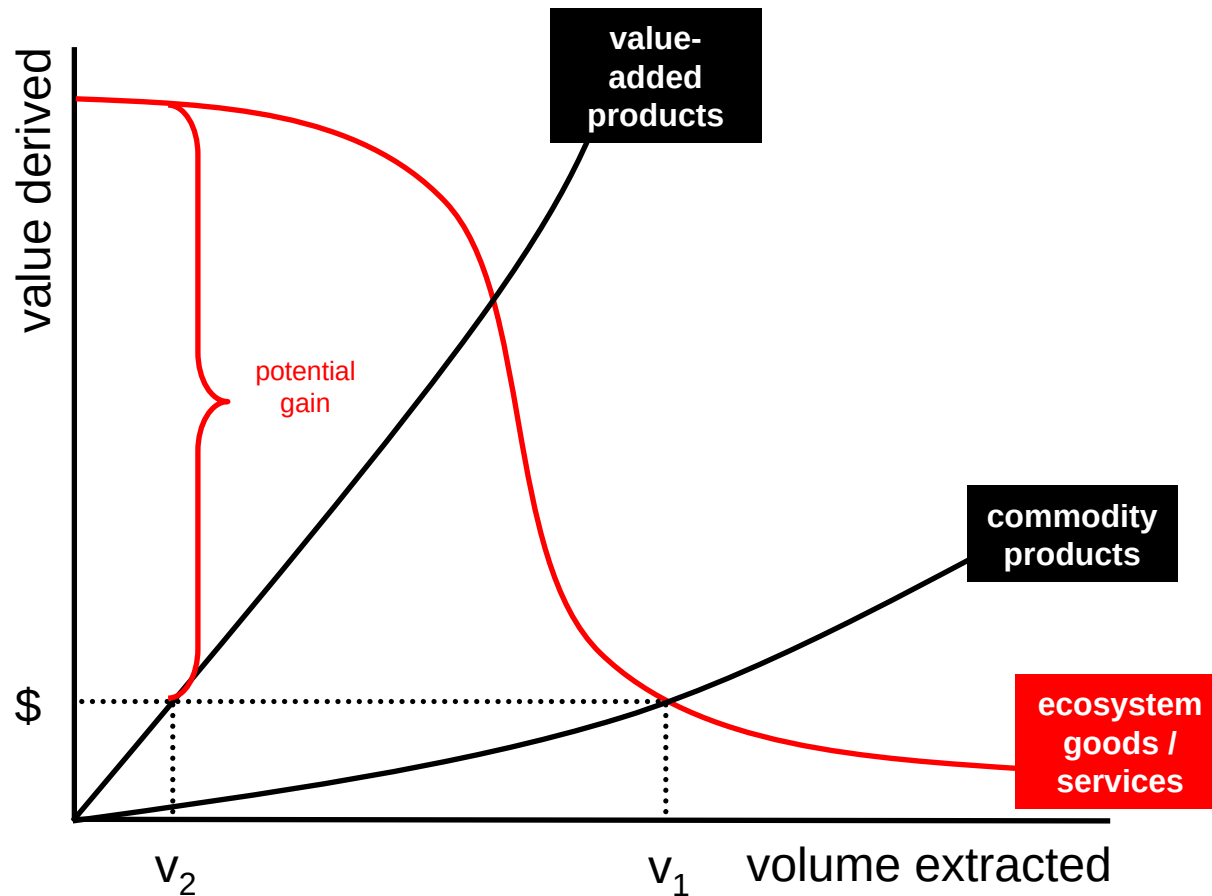
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BC Forestry – A Path Forward



“I have read many definitions of what is a conservationist, and written not a few myself, but I suspect that the best one is written not with a pen, but with an axe. It is a matter of what a man thinks about while chopping, or while deciding what to chop. A conservationist is one who is humbly aware that with each stroke he is writing his signature on the face of his land.”

Aldo Leopold, 1949
A Sand County Almanac

(November)

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BC Forestry – A Path Forward



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**The
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